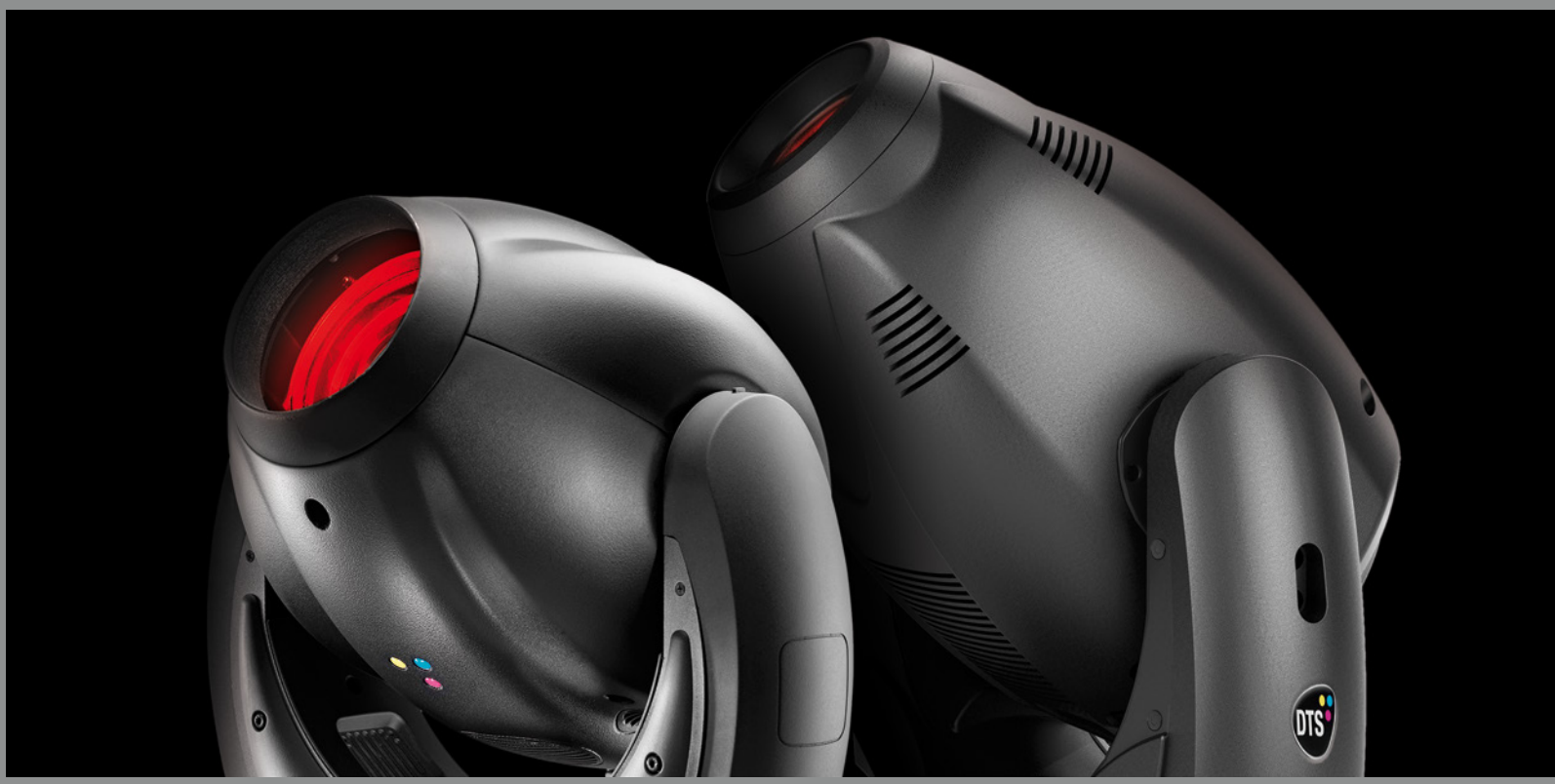
MOVING HEAD PROJECTORS Issue 4



DTS

The Lighting Company

The Lighting Company

Moving Head Projectors

INDEX

HIGH-POWER COMPACT MOVING HEADS

P.8
MAX

P.10
JACK

SPOT MOVING HEADS

P.14
XR3000 SPOT CMY

P.16
XR2000 SPOT CMY

P.18
XR2000 SPOT

P.20
XR9 SPOT

P.22
XR8 SPOT

P.24
XR4 SPOT

WASH MOVING HEADS

P.26
XR1200 WASH PC

P.28
XR1200 WASH

BEAM MOVING HEADS

P.30
RAPTOR

P.32
XR3000 BEAM

P.34
XR2000 BEAM

LED MOVING HEADS

P.38
NICK NRG 1201

P.40
NICK NRG 1200

P.42
NICK 600 WASH RGBW

P.44
ACCESSORIES

P.46
TECHNICAL DATA

D.T.S. MOVING HE

The most complete range of moving heads ever produced by D.T.S.

* Three lines of projectors ideal for a variety of professional applications;
* State-of-the-art electronic and mechanical solutions tested on thousands of units;
* Rental-grade mechanical design and reliability;
* Seamless integration of any model in the same rig.

D.T.S. moving heads give you more.
You'll get all the power, functions and reliability that service providers, installers and lighting designers expect in a modern moving head, at a simply astonishing price.

EAD PROJECTORS

D.T.S. Moving Heads were used on:

RED HOT CHILI PEPPERS
DURAN
THE PRODIGY
PUFF DADDY
GUSTAVO LIMA
OA
JENNIOFER LOPEZ
EVANESCEN
BEYONCÉ
EROS RAM
MARIAH CAREY
METALLICA
LAURA PAUSIN
FAT BOY SLIM
G
PAUL MCCARTNEY
JORGE &

DURAN JETHRO TULL
ROBBIE WILLIAMS
EXTREME
SIS GREEN DAY
CE CLAUDIA LEITTE
FAITH NO MORE
AZZOTTI
BLACK EYED PEAS
NI GUNS'N ROSES
RACE JONES ROD STEWART
& MATEUS

MAX

Massive luminosity regularly diffused
at any point of the light beam

Rapid fast-lock closure/release screws
(1/4 of a turn)

Electronic ballast;
reliable operation;
no flickering;
correct voltage
in any part of the world

Overlapping wheels for multiple
effects: customizable rotating gobo
wheel (9 gobos), customizable fixed
gobo wheel (10 gobos), animation wheel,
4-facet rotating prism

The long-life Li-Fe
backup battery allows you to control
the main parameters even when
MAX is not powered.

Long excursion motorized zoom
allowing any application from long-throw
projections to large wall washing

New Tri-phase stepper motor
technology for ultra-fast and silent
Pan & Tilt movements

Pan lock; Tilt Lock

'FPR' ('Free Pan Rotation' - patent pending)
limitless pan rotation, in either direction,
never having to reverse motion

Ergonomic double handles:
easy transport, installation and rigging

DMX: 4 XLR connectors
(3-pole In and Out;5-pole In and Out);
re-launch power-Out connector

MAX

DISCHARGE | 330 | IP20 | FPR | RDM | ARTNET (ON REQUEST) | -10 / +40

Overview
MAX is the brand new top of the range of D.T.S. high-power compact moving heads line.
MAX is the most complete moving head on the market, addressing any top level application: from concerts to special events; from television studios to theatres.
MAX features a special optical group with wide excursion motorized zoom that for the first time allows 4 different types of projection in a single moving head: 'Beam', 'Spot', 'Wash', and 'Theatre'.
No need to stock a whole range of lights: MAX does it all.
MAX' wide excursion motorized zoom allows any application from long-throw projections to large wall washing.
Beam opening is: 1,5° - 2° 'Beam' projection; 2° - 37° 'Spot' projection; 10° - 60° 'Wash' projection.
But MAX introduces also the 'Theatre' function (selectable via DMX); thanks to it, MAX projects a beam so uniform and evenly diffused as never before.
Add CMY synthesis, linear CTO, animation wheel, and light output comparable to the most powerful fixtures.
MAX comes equipped with the 'FPR' system (D.T.S. patent), which allows limitless pan rotation, in either direction, never having to reverse motion.
Also, MAX is very compact and light weight, the perfect moving head for rental companies - who want a quick and easy to install unit.

Lamp
MSD PLATINUM 16R 330W (16.000 Lumens)
Colour temperature: 8.000°K typ.
Type of connection: PINS 2,8x 0,8mm
Remote lamp On-Off
Average lamp life: 1.500 hrs

Optical group
Improved optical group made with 11 coated lenses + dichroic glass reflector
100.000 Lux at 5 m
16-bit motorized wide-excursion linear zoom
Beam opening:
1,5° - 2° (Beam projection)
2° - 37° (Spot projection)
10° - 60° (Wash projection)
4° - 40° (Theatre projection)
16-bit motorized linear focus
Motorized Iris
Linear dimmer / shutter / strobe
(0,85 flash/sec to 10 flash/sec)
Frost filter

Colour generation
Linear CMY
Linear CTO
Colour wheel (17 colours + white) with linear selection for perfect 2-colour beams

Dynamic effects
Overlapping wheels for multiple effects:
Customizable rotating gobo wheel (9 gobos)
Customizable fixed gobo wheel (10 gobos)
Animation Wheel
4-facet rotating prism

Interface / Control / Programming
LCD graphic display + 4 soft-keys (control / management of the main parameters)
RDM
ARTNET available on request
Wireless ready
Updatable internal operating system

DMX
33 DMX channels

Pan & Tilt
'FPR' system (D.T.S. patent)
Pan (limitless, in both directions);
Tilt (270°) Tri-phase stepper motor technology for ultra-fast and silent movements
Pan 540°: 2,5 sec.; Tilt 270°: 1,5 sec.
16-bit resolution
Selectable speed ranges
Pan / Tilt lock

Power supply
Electronic ballast: 90-260 V 50 / 60 Hz
Power consumption: 450 W with PFC
Power saving mode (the lamp dims to 80% after shutter closure)

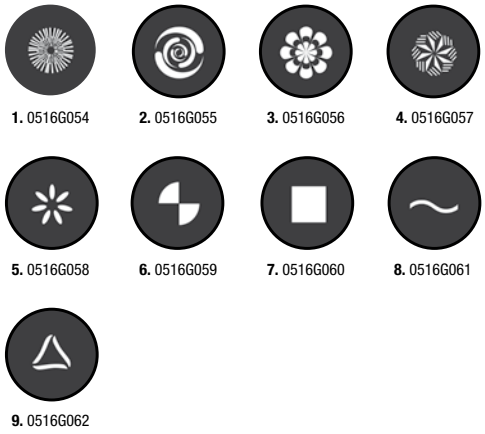
Connectors
DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
Power supply: POWERCON IN and OUT (re-launch) connectors by Neutrik

Weight
20 Kg

Internal safety devices
Overvoltage circuit protection and overtemperature circuit protection

International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Gobo Wheel 1

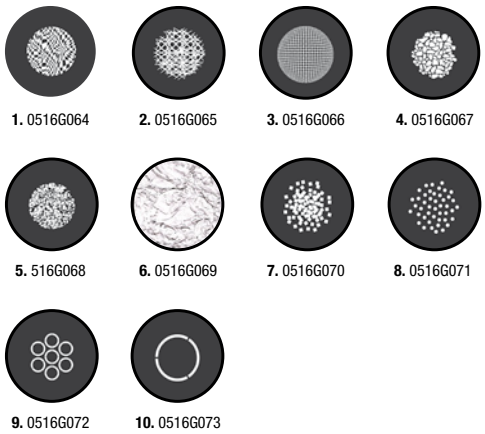


1. 0516G054 **2.** 0516G055 **3.** 0516G056 **4.** 0516G057

5. 0516G058 **6.** 0516G059 **7.** 0516G060 **8.** 0516G061

9. 0516G062

Gobo Wheel 2



1. 0516G064 **2.** 0516G065 **3.** 0516G066 **4.** 0516G067

5. 516G068 **6.** 0516G069 **7.** 0516G070 **8.** 0516G071

9. 0516G072 **10.** 0516G073

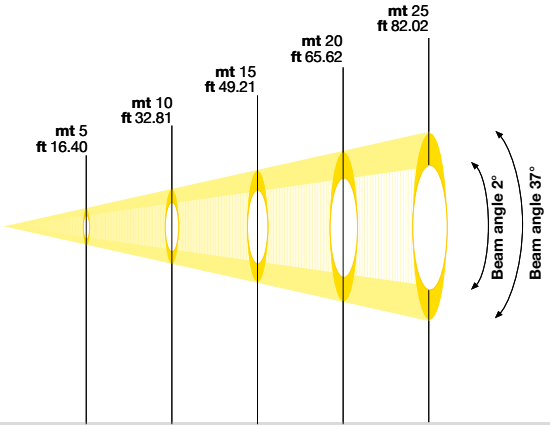
Colour Wheel

RED 0507C059.D14 | YELLOW 1 0507C065.D14 | GREEN 0507C068.D14 | PINK 0507C071.D14 | FULL CTO FILTER 0507C061.D14

FULL CTB FILTER 0507C060.D14 | ORANGE 0507C063.D14 | DARK BLUE 0507C069.D14 | LIGHT RED 0507C062.D14 | PURPLE 0507C072.D14

YELLOW 2 0507C066.D14 | LIGHT BLUE 0507C075.D14 | LIGHT GREEN 0507C073.D14 | MAGENTA 0507C074.D14 | BLUE 0507C070.D14

AMBER 0507C064.D14 | DARK GREEN 0507C067.D14



Lux center	100000	25000	11111	6250	4000	**Beam angle 2**
Foot candles	9294	2323	1033	581	372	
Diameter cm.	18	37	55	73	92	
Diameter ft.	0,60	1,20	1,80	2,41	3,01	

Lux center	1030	258	114	64	41	**Beam angle 37°**
Foot candles	96	24	11	6	4	
Diameter cm.	335	669	1004	1338	1673	
Diameter ft.	10,98	21,95	32,93	43,91	54,89	

DMX channels

1	PAN msb	18	GOBO MODE
2	PAN lsb	19	GOBO ROTATION INDEX
3	TILT msb	20	GOBO INDEX FINE
4	TILT lsb	21	GOBO SHAKE
5	SPEED MOVEMENT	22	FIXED GOBO
6	PAN FAR	23	FIXED GOBO SHAKE
7	DIMMER	24	IRIS
8	SHUTTER	25	IRIS MACROS
9	COLOUR	26	ANIMATION
10	COLOUR MODE	27	FROST
11	CYAN	28	PRSIM
12	MAGENTA	29	PRISM/ANIMATION ROTATION
13	YELLOW		
14	CTO	30	FOCUS
15	SPEED CMY	31	FOCUS FINE
16	MACRO CMY	32	ZOOM
17	GOBO	33	RESET+LAMP

JACK

DISCHARGE | 330 | IP20 | FPR | RDM | ARTNET | -10 / +40

Overview
JACK is a high-power, compact, lightweight moving head. JACK features a wide excursion motorized zoom allowing any application from long-throw projections to large wall washing. Beam opening is: 1° - 2,5° 'Beam' projection; 2,5° - 37° 'Spot' projection; 38° - 46° 'Wash' projection. JACK generates a huge luminosity and extremely uniform projection using only a 189 W lamp; power consumption is just 230 W.
Also, JACK comes equipped with the 'FPR' (patent pending) system, which allows limitless pan rotation, in either direction, never having to reverse motion. JACK is the perfect moving head for rental companies - who want a quick and easy to install unit - thanks to its compactness and light weight (only 11,9 Kg). JACK is suitable for any professional applications.

Lamp
MSD Platinum 5R (7.950 Lumens)
Colour temperature: 8.000°K
Type of connection: PINS 2,8x 0,8mm

Optical group
* 50.000 Lux at 5 m (2,5°)
* Improved optical group made with 11 coated lenses combined with a dichroic glass reflector
* 16-bit motorized linear zoom (2,5°- 46°)
* Beam opening:
  1° - 2,5° 'Beam projection'
  2,5° - 37° 'Spot projection'
  38° - 46° 'Wash projection'
* 16-bit motorized focus
* 16-bit motorized iris
* 16-bit linear dimmer / shutter / strobe (0,85 flash/sec to 10 flash/sec)

Colour generation
* 18-colour wheel with linear selection for perfect 2-colour beams

Dynamic effects
Overlapping wheels for multiple effects:
* Customizable rotating gobo wheel (9 gobos)
* Customizable fixed gobo wheel (10 gobos)
* 4-facet rotating prism

Interface / Control / Programming
* LCD graphic display (control / management / monitoring of the main parameters)
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* RDM
* ARTNET (available on request)
* Wireless ready
* Internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
25 DMX channels

Pan & Tilt
* 'FPR': limitless pan rotation, in either direction, never having to reverse motion
* New Tri-phase stepper motor technology for ultra-fast and silent Pan & Tilt movements
* Pan 540° (2,5 sec.); Tilt 270° (1,5 sec.)
* 16-bit movement resolution
* Selectable speed ranges

Power supply
* Electronic ballast; 90-260 V 50/60 Hz
* Power consumption: 230 W with PFC

Energy saving
* Power saving mode (the lamp dims to 80% after shutter closure)

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connectors (Power In / Power Out) by Neutrik

Operating ambient temperature
-10° / 40°

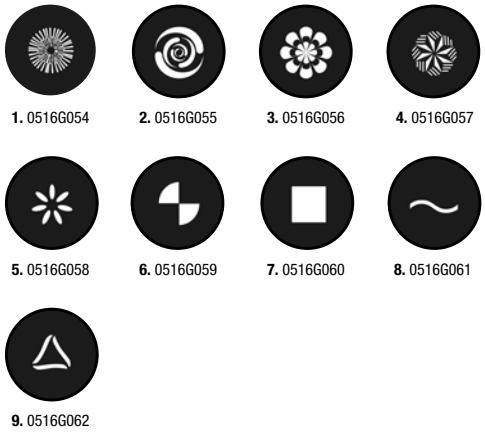
Weight
11,9 Kg

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection

International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Included items
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* "C" Clamp G QUICK with "Fast Lock" connection 1/4 turn (one piece) (cod. 0521A014)
* User's manual

Gobo Wheel 1

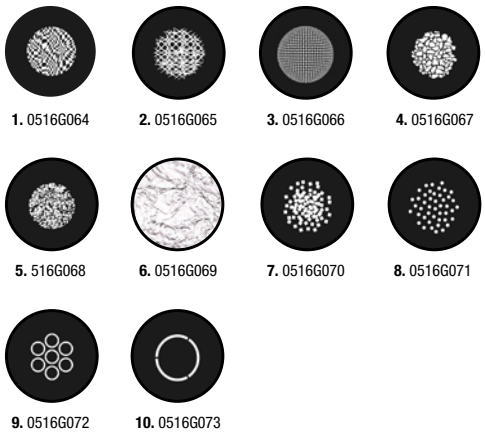


1. 0516G054 **2.** 0516G055 **3.** 0516G056 **4.** 0516G057

5. 0516G058 **6.** 0516G059 **7.** 0516G060 **8.** 0516G061

9. 0516G062

Gobo Wheel 2

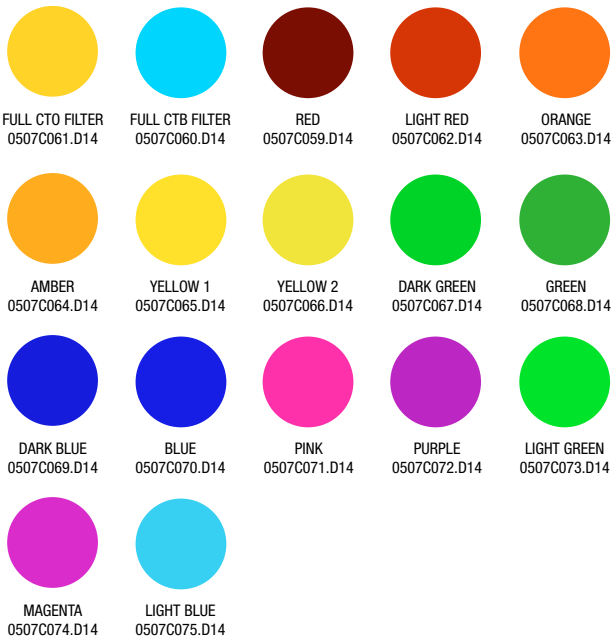


1. 0516G064 **2.** 0516G065 **3.** 0516G066 **4.** 0516G067

5. 516G068 **6.** 0516G069 **7.** 0516G070 **8.** 0516G071

9. 0516G072 **10.** 0516G073

Colour Wheel

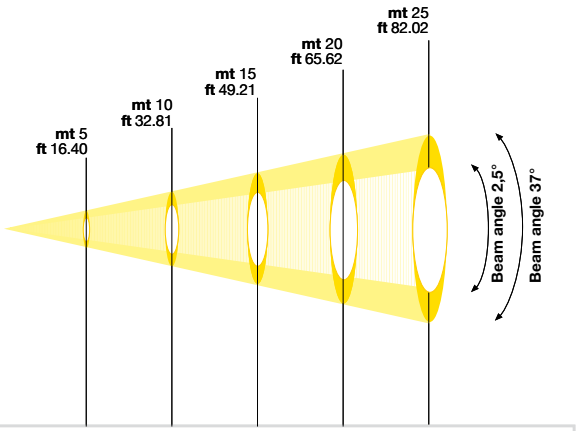


FULL CTO FILTER 0507C061.D14 | FULL CTB FILTER 0507C060.D14 | RED 0507C059.D14 | LIGHT RED 0507C062.D14 | ORANGE 0507C063.D14

AMBER 0507C064.D14 | YELLOW 1 0507C065.D14 | YELLOW 2 0507C066.D14 | DARK GREEN 0507C067.D14 | GREEN 0507C068.D14

DARK BLUE 0507C069.D14 | BLUE 0507C070.D14 | PINK 0507C071.D14 | PURPLE 0507C072.D14 | LIGHT GREEN 0507C073.D14

MAGENTA 0507C074.D14 | LIGHT BLUE 0507C075.D14



Lux center	50000	12500	5556	3125	2000	**Beam angle 2,5°**
Foot candles	4647	1162	516	290	186	
Diameter cm.	22	44	52	65	87	
Diameter ft.	0,72	1,43	1,72	2,15	2,86	

Lux center	600	150	67	38	24	**Beam angle 37°**
Foot candles	56	14	6	3	2	
Diameter cm.	335	669	1004	1338	1673	
Diameter ft.	10,98	21,95	32,93	43,91	54,89	

DMX channels

1	PAN msb	14	GOBO INDEX FINE
2	PAN lsb	15	GOBO SHAKE
3	TILT msb	16	FIXED GOBO
4	TILT lsb	17	FIXED GOBO SHAKE
5	SPEED MOVEMENT	18	IRIS
6	PAN FAR	19	MACROS
7	DIMMER	20	MACROS MODE
8	SHUTTER	21	PRISM
9	COLOUR	22	FOCUS
10	COLOUR MODE	23	FOCUS FINE
11	GOBO	24	ZOOM
12	GOBO MODE	25	RESET+LAMP
13	GOBO ROTATION/INDEX		

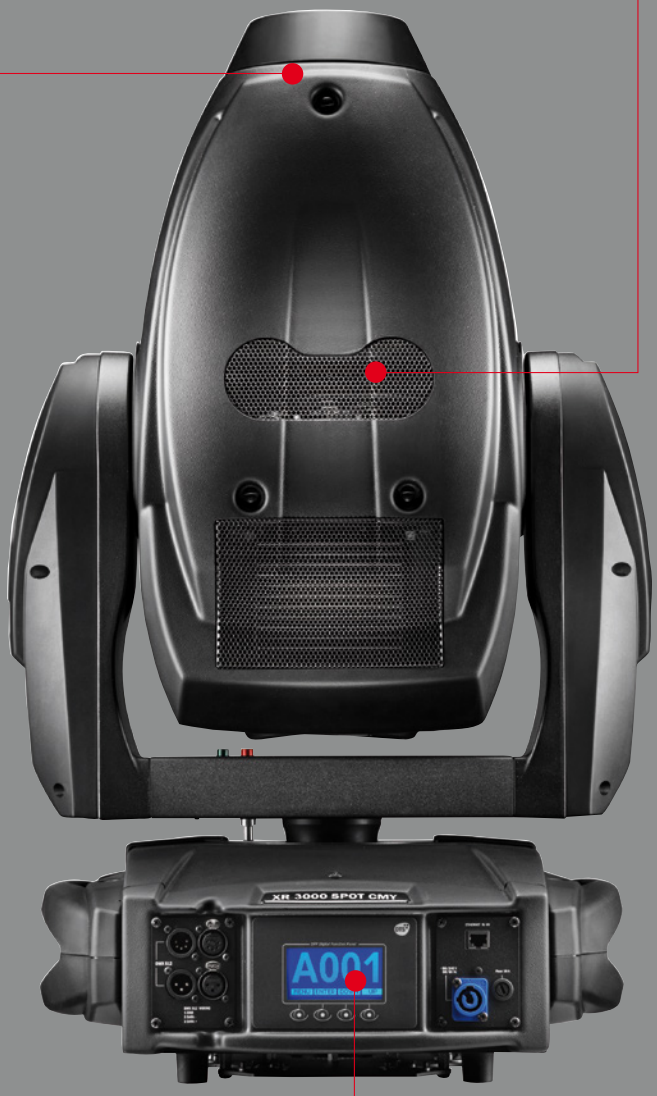
XR3000 SPOT CMY

Extremely high output
(85.000 Lux / 5 m)

Sophisticated colour generation:
CMY + color wheel; linear selection
for perfect 2-colour beams

Easy maintenance:
No special tools are needed
for the main dismantling operations

Low-noise operation:
optimized airflow inside the head;
user-selectable fan speed



Multiple connectors
by Neutrik

Electronic ballast: reliable operation
even in the presence of significant
power surges; optimal light yield even
in the case of voltage drops;
no flickering; correct voltage in any
part of the world

Multiple dynamic effects, including
overlapping customizable gobo
wheel-1 + gobo wheel-2 + animation
wheel + prism

Extra-wide, multi-function
128x64 LCD graphic display;
control / management / monitoring
of the main parameters

Improved optical group made with 11 coated lenses delivering razor-sharp gobo projections

Double handles: easy transport, installation and rigging

'FPR' ('Free Pan Rotation' - patent pending) available: limitless pan rotation, in either direction, never having to reverse motion

Rental-grade mechanical design with shock resistant construction and double-thick mounting plate

XR3000 SPOT CMY

DISCHARGE | 1200 | IP20 | FPR | ETHERNET | -10 / +40

Overview
The XR3000 SPOT CMY is a high-output moving head projector fitted with a 1200W discharge lamp, delivering a massive 85.000 Lux / 5 m. The XR3000 SPOT CMY provides a powerful combination of razor-sharp gobo projections, sophisticated colour generation, and versatile dynamic effects. The XR3000 SPOT CMY is suitable for top level professional applications, including concerts, shows, tours, special events and clubs.

Lamp
Philips MSR Gold 1200/2 Fastfit lamp
(95.000 Lumens)
base type PGJX50

Optical group
* 85.000 Lux at 5 m (10°)
* Improved optical group made with 11 coated lenses combined with a dichroic glass reflector
* 16-bit motorized focus
* 16-bit motorized iris
* 16-bit motorized linear zoom (10°- 35°)

Colour generation
* sophisticated CMY colour synthesis system with 3 palettes for linear insertion
* colour wheel (7 colours + open) with linear selection for perfect 2-colour beams

Dynamic effects
3 overlapping wheels for multiple effects:
* customizable rotating gobo wheel (7 gobos)
* customizable fixed gobo wheel (8 gobos)
* animation wheel rotating in both directions
* 3-facet rotating prism
* frost filter (soft edge)

Interface / Control / Programming
* Extra-wide, multi-function graphic LCD display (128 x 64)
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* Ethernet ready
* Internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
30 DMX channels

Pan & Tilt
* 'FPR' (Free Pan Rotation) optional
* 16-bit movement resolution
* Pan 540° (3,9 sec.); Tilt 270° (2,6 sec.)
* 4 Selectable speed ranges
* Pan/Tilt locking system with recessed buttons
* Automatic Pan/Tilt repositioning in case of knocks

Power supply
* Electronic ballast; 90-260 V 50/60 Hz
* Power consumption: 1320 W

Energy saving
* Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature
-10° / 40°

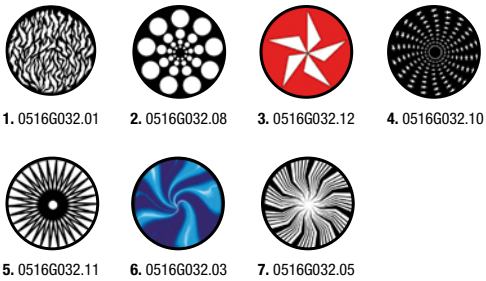
Weight
45,5 Kg

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection.

International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Included items
* 1 x MSR Gold 1200 Fastfit lamp
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* 2 x"C" Clamp G100 black /professional (max. load. 200Kg) (cod. 0521A015)
* Omega clamp with "Fast Lock"connection 1⁄4 turn (2 pieces) (cod. 02K00467)
* User's manual

Gobo Wheel 1



1. 0516G032.01 **2.** 0516G032.08 **3.** 0516G032.12 **4.** 0516G032.10

5. 0516G032.11 **6.** 0516G032.03 **7.** 0516G032.05

Gobo Wheel 2

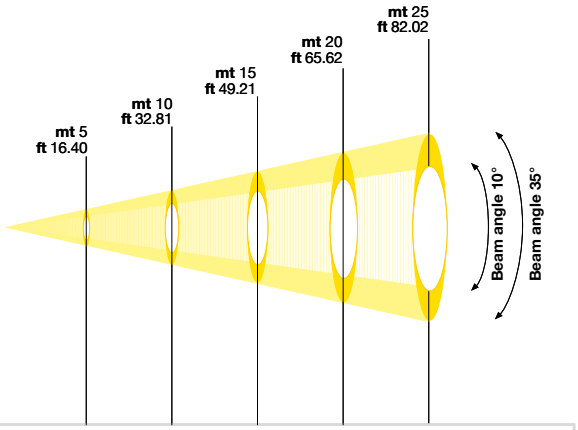
1. 0516G032.06 **2.** 0516G032.04 **3.** 0516G035.58 **4.** 0516G032.07

5. 0516G032.14 **6.** 0516G032.09 **7.** 0516G032.13 **8.** 0516G032.02

Colour Wheel

CONV.FILTER HOT TC3256 | DARK BLUE SW460 | ORANGE LW590 | GREEN WB5055

DARK RED LW 640 | BLUE SW490 | AMBER LW550



Lux center	85000	21250	9444	5313	3400	**Beam angle 10°**
Foot candles	7900	1975	878	494	316	
Diameter cm.	87	175	262	350	437	
Diameter ft.	2,87	5,74	8,61	11,48	14,35	

Lux center	8400	2100	933	525	336	**Beam angle 35°**
Foot candles	781	195	87	49	31	
Diameter cm.	315	631	946	1261	1576	
Diameter ft.	10,34	20,69	31,03	41,38	51,72	

DMX channels

1	PAN msb 540°	16	GOBO MODE
2	PAN lsb	17	GOBO ROTATION/INDEX
3	TILT msb 270°	18	GOBO INDEX FINE
4	TILT lsb	19	GOBO SHAKE
5	SPEED MOVEMENT	20	FIXED GOBO
6	DIMMER	21	FIXED GOBO ROTATION
7	SHUTTER	22	ANIMATION
8	COLOUR	23	ANIMATION ROTATION
9	COLOUR MODE	24	IRIS
10	CYAN	25	IRIS MACRO
11	MAGENTA	26	EFFECT
12	YELLOW	27	EFFECTS ROTATION
13	SPEED CMY	28	FOCUS
14	MACRO CMY	29	ZOOM
15	GOBO	30	RESET/LAMP

XR2000 SPOT CMY

DISCHARGE | 700 | IP20 | FPR | ETHERNET | -10 / +40

Overview
The XR2000 SPOT CMY is a high-output moving head projector fitted with a 700W discharge lamp, delivering a massive 63.500 Lux / 5 m.
The XR2000 SPOT CMY provides a powerful combination of razor-sharp gobo projections, sophisticated colour generation, and versatile dynamic effects.
The XR2000 SPOT CMY is suitable for top level professional applications, including concerts, shows, tours, special events and clubs.

Lamp
Philips MSR Gold 700/2 Fastfit lamp
(50.000 Lumens)
base type PGJX50

Optical group
* 63.500 Lux at 5 m (10°)
* Improved optical group made with 11 coated lenses combined with a dichroic glass reflector
* 16-bit motorized focus
* 16-bit motorized iris
* 16-bit motorized linear zoom (10°- 35°)

Colour generation
* sophisticated CMY colour synthesis system with 3 palettes for linear insertion
* colour wheel (7 colours + open) with linear selection for perfect 2-colour beams

Dynamic effects
3 overlapping wheels for multiple effects:
* customizable rotating gobo wheel (7 gobos)
* customizable fixed gobo wheel (8 gobos)
* animation wheel rotating in both directions
* 3-facet rotating prism
* frost filter (soft edge)

Interface / Control / Programming
* Extra-wide, multi-function graphic LCD display (128 x 64)
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* Ethernet ready
* internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
30 DMX channels

Pan & Tilt
* 'FPR' (Free Pan Rotation) optional
* 16-bit movement resolution
* Pan 540° (3,9 sec.); Tilt 270° (2,6 sec.)
* 4 Selectable speed ranges
* Pan/Tilt locking system with recessed buttons
* Automatic Pan/Tilt repositioning in case of knocks

Power supply
* Electronic ballast; 90-260 V 50/60 Hz
* Power consumption: 820 W

Energy saving
* Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature
-10° / 40°

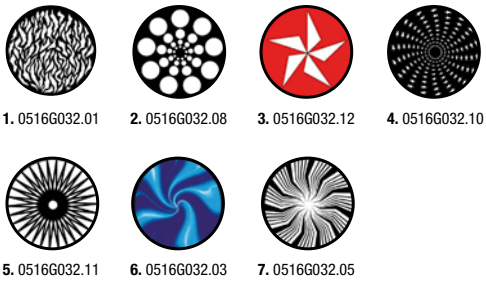
Weight
44,5 Kg

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection

International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Included items
* 1 x MSR Gold 700/2 Fastfit lamp
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* 2 x"C" Clamp G100 black /professional (max. load. 200Kg) (cod. 0521A015)
* Omega clamp with "Fast Lock"connection 1⁄4 turn 1 couple (2pieces) (cod. 02K00467)
* User's manual

Gobo Wheel 1



1. 0516G032.01 **2.** 0516G032.08 **3.** 0516G032.12 **4.** 0516G032.10

5. 0516G032.11 **6.** 0516G032.03 **7.** 0516G032.05

Gobo Wheel 2

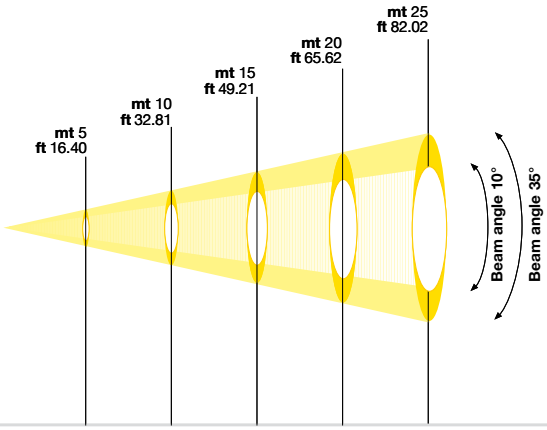
1. 0516G032.06 **2.** 0516G032.04 **3.** 0516G035.58 **4.** 0516G032.07

5. 0516G032.14 **6.** 0516G032.09 **7.** 0516G032.13 **8.** 0516G032.02

Colour Wheel

CONV.FILTER HOT TC3256 | DARK BLUE SW460 | ORANGE LW590 | GREEN WB5055

DARK RED LW 640 | BLUE SW490 | AMBER LW550



Lux center	63500	15875	7056	3969	2540	**Beam angle 10°**
Foot candles	5901	1475	656	369	236	
Diameter cm.	87	175	262	350	437	
Diameter ft.	2,87	5,74	8,61	11,48	14,35	

Lux center	6280	1570	698	393	251	**Beam angle 35°**
Foot candles	584	146	65	36	23	
Diameter cm.	315	631	946	1261	1576	
Diameter ft.	10,34	20,69	31,03	41,38	51,72	

DMX channels

1	PAN msb 540°	16	GOBO MODE
2	PAN lsb	17	GOBO ROTATION/INDEX
3	TILT msb 270°	18	GOBO INDEX FINE
4	TILT lsb	19	GOBO SHAKE
5	SPEED MOVEMENT	20	FIXED GOBO
6	DIMMER	21	FIXED GOBO ROTATION
7	SHUTTER	22	ANIMATION
8	COLOUR	23	ANIMATION ROTATION
9	COLOUR MODE	24	IRIS
10	CYAN	25	IRIS MACRO
11	MAGENTA	26	EFFECT
12	YELLOW	27	EFFECTS ROTATION
13	SPEED CMY	28	FOCUS
14	MACRO CMY	29	ZOOM
15	GOBO	30	RESET/LAMP

XR2000 SPOT

DISCHARGE | 700 | IP20 | FPR | ETHERNET | -10 / +40

Overview
The XR2000 SPOT is a high-output moving head projector fitted with a 700W discharge lamp, delivering a massive 63.500 Lux / 5 m.
The XR2000 SPOT provides a powerful combination of razor-sharp gobo projections, wide variety of colours, and eye-catching dynamic effects.
The XR2000 SPOT is suitable for top level professional applications, including concerts, shows, tours, special events and clubs.

Lamp
Philips MSR Gold 700/2 Fastfit lamp
(50.000 Lumens)
base type PGJX50

Optical group
* 63.500 Lux at 5 m (10°)
* Improved optical group made with 11 coated lenses combined with a dichroic glass reflector
* 16-bit motorized focus
* 16-bit motorized iris
* 16-bit motorized linear zoom (10°- 35°)
* linear dimmer / shutter / strobe (0,85 flash/sec to 10 flash/sec)

Colour generation
* 2 x 7-colour wheels with linear selection for perfect 2-colour beams

Dynamic effects
2 overlapping wheels for multiple effects:
* customizable rotating gobo wheel (7 gobos)
* customizable fixed gobo wheel (8 gobos)
* 3-facet rotating prism
* frost filter (soft edge)

Interface / Control / Programming
* Extra-wide, multi-function graphic LCD display (128 x 64)
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* Ethernet ready
* Internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
25 DMX channels

Pan & Tilt
* 'FPR' (Free Pan Rotation) optional
* 16-bit movement resolution
* Pan 540° (3,9 sec.); Tilt 270° (2,6 sec.)
* 4 Selectable speed ranges
* Pan/Tilt locking system with recessed buttons
* Automatic Pan/Tilt repositioning in case of knocks

Power supply
* Electronic ballast; 90-260 V 50/60 Hz
* Power consumption: 820 W

Energy saving
* Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature
-10° / 40°

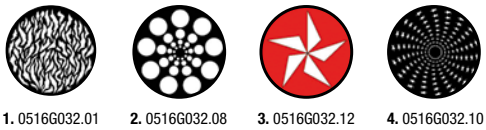
Weight
43,5 Kg

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection

International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Included items
* 1 x MSR Gold 700/2 Fastfit lamp
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* 2 x"C" Clamp G100 black /professional (max. load. 200Kg) (cod. 0521A015)
* Omega clamp with "Fast Lock"connection 1/4 turn 1 couple (2 pieces) (cod. 02K00467)
* User's manual

Gobo Wheel 1

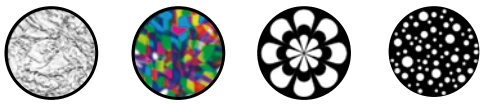


1. 0516G032.01 **2.** 0516G032.08 **3.** 0516G032.12 **4.** 0516G032.10

5. 0516G032.11 **6.** 0516G032.03 **7.** 0516G032.05

Gobo Wheel 2

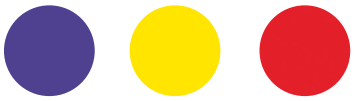
1. 0516G032.06 **2.** 0516G032.04 **3.** 0516G035.58 **4.** 0516G032.07



5. 0516G032.14 **6.** 0516G032.09 **7.** 0516G032.13 **8.** 0516G032.02

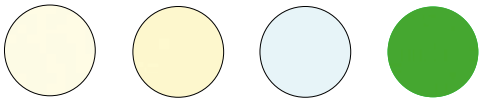
Colour Wheel 1

LAVANDER SL0064 ORANGE LW590 CYAN SW530 PINK SL4758



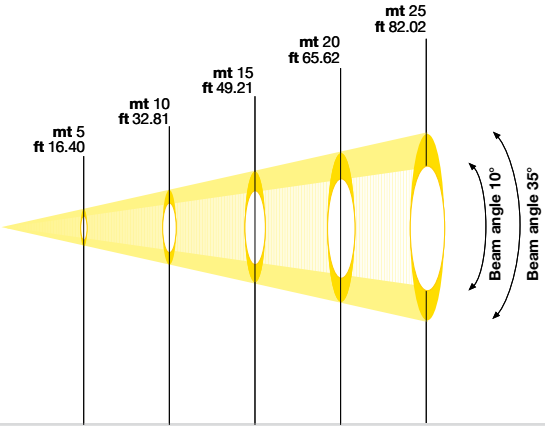
BLUE SW490 YELLOW LW 515 DARK RED LW 640

Colour Wheel 2



HALF CONV.FILTER HOT CONV.FILTER HOT TC3256 CONV.FILTER COLD DL542 GREEN WB5055

MAGENTA SL4763 AMBER LW550 DARK BLUE SW460



Lux center	63500	15875	7056	3969	2540	**Beam angle 10°**
Foot candles	5901	1475	656	369	236	
Diameter cm.	87	175	262	350	437	
Diameter ft.	2,87	5,74	8,61	11,48	14,35	

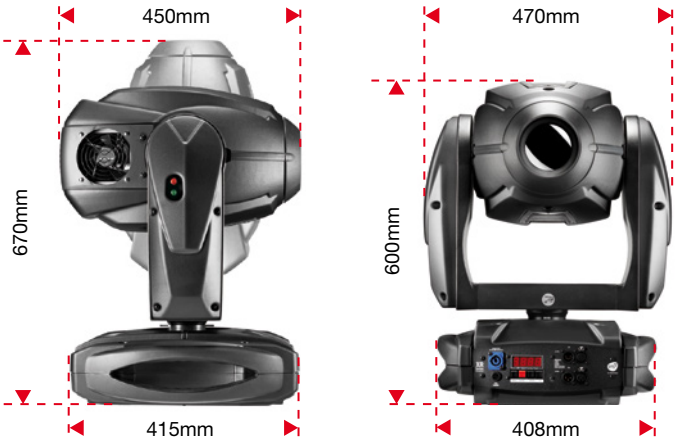
Lux center	6280	1570	698	393	251	**Beam angle 35°**
Foot candles	584	146	65	36	23	
Diameter cm.	315	631	946	1261	1576	
Diameter ft.	10,34	20,69	31,03	41,38	51,72	

DMX channels

1	PAN msb 540°
2	PAN lsb
3	TILT msb 270°
4	TILT lsb
5	SPEED MOVEMENT
6	DIMMER
7	SHUTTER
8	COLOUR
9	COLOUR 1 MODE
10	COLOUR 2
11	COLOUR 2 MODE
12	GOBO 1
13	GOBO 1 MODE
14	GOBO 1 ROTATION /INDEX COARSE
15	GOBO 1 INDEX FINE 16-BIT
16	GOBO 1 SHAKE
17	GOBO 2
18	GOBO 2 SHAKE
19	IRIS
20	IRIS MACRO
21	EFFECTS
22	EFFECTS ROTATION
23	FOCUS
24	ZOOM
25	LAMP ON/OFF - RESET

XR9 SPOT

DISCHARGE | 575 | IP20 | FAR | -10 / +40



Overview
The XR9 SPOT is a moving head projector fitted with a 575W discharge lamp, delivering a massive 10.100 Lux / 5 m.
The XR9 SPOT provides an effective combination of multiple gobo projections, a variety of colours (two overlapping colour wheels) and striking dynamic effects.
The XR9 SPOT is suitable for top level professional applications, including concerts, shows, tours, special events and clubs.

Lamp
Philips MSR 575/2 lamp (49.000 Lumens)
base type GX9,5

Optical group
* 10.100 Lux at 5 m (11°)
* Optical group made with 3 coated lenses combined with a dichroic glass reflector
* 16-bit motorized focus
* 16-bit motorized iris
* 3 selectable zoom angles (11° / 15° / 18°)
* linear dimmer / shutter / strobe (0,85 flash/sec to 10 flash/sec)

Colour generation
* 2 overlapping 8-colour wheels with linear selection for perfect 2-colour beams

Dynamic effects
2 overlapping gobo wheels for multiple effects:
* customizable rotating gobo wheel (7 gobos)
* fixed gobo wheel (11 gobos)
* 3-facet rotating prism
* frost filter

Interface / Control / Programming
* LED display
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
26 DMX channels

Pan & Tilt
* 'FAR' (Free Axis Rotation) optional
* 16-bit movement resolution
* Pan 540° (3,9 sec.); Tilt 270° (2,6 sec.)
* 4 Selectable speed ranges
* Pan/Tilt locking system with recessed buttons
* Automatic Pan/Tilt repositioning in case of knocks

Power supply
* Electronic ballast; 90-260 V 50/60 Hz
* Electro-magnetic ballast; 230 V 50/60 Hz
* Power consumption: 750 W

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature
-10° / 40°

Weight
28 Kg (electronic ballast); 32 Kg (electro-magnetic ballast)

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection

International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

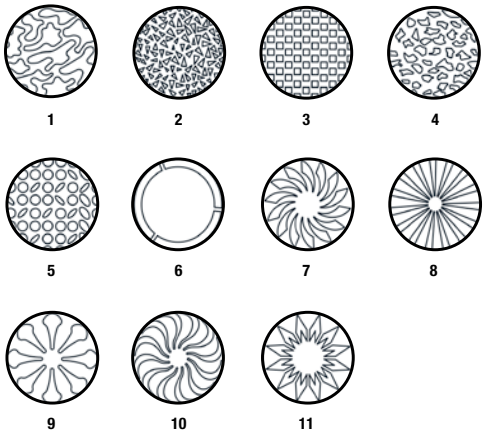
Included items
* 1 x MSR 575/2 lamp
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* 2 x"C" Clamp G100 black /professional (max. load. 200Kg) (cod. 0521A015)
* Omega clamp with "Fast Lock"connection 1⁄4 turn 1 couple (2 pieces) (cod. 02K00467)
* User's manual

Gobo Wheel 1

1. 0516G029.02 **2.** 0516G029 **3.** 0516G029.01 **4.** 0516G030.01

5. 0516G030.02 **6.** 0516G030.03 **7.** 0516G030.04

Gobo Wheel 2



1 **2** **3** **4**

5 **6** **7** **8**

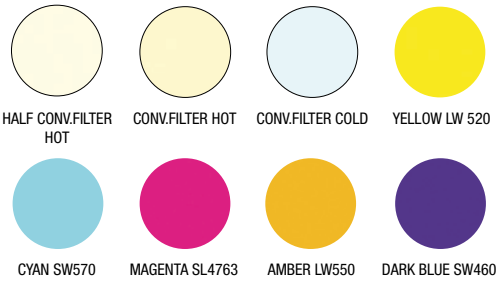
9 **10** **11**

Colour Wheel 1

LAVANDER SL0064 ORANGE LW590 GREEN WB5055 CYAN SW530

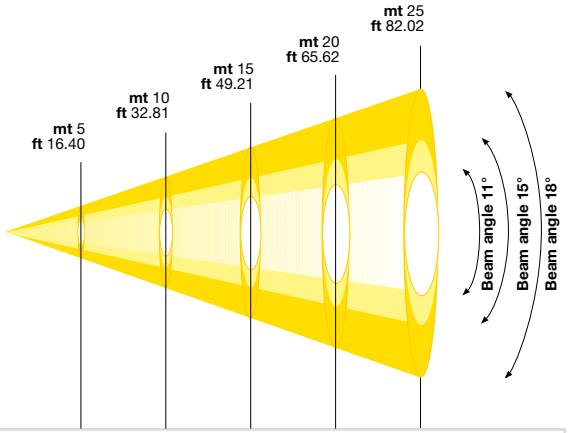
PINK SL4761 BLUE SW490 YELLOW LW 515 DARK RED LW 640

Colour Wheel 2



HALF CONV.FILTER HOT CONV.FILTER HOT CONV.FILTER COLD YELLOW LW 520

CYAN SW570 MAGENTA SL4763 AMBER LW550 DARK BLUE SW460



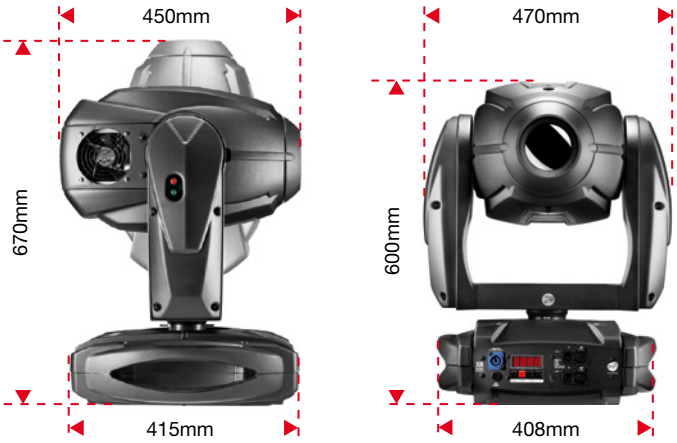
Lux center	10100	2525	1122	631	404	**Beam angle 11°**
Foot candles	939	235	104	59	38	
Diameter cm.	96	193	289	385	481	
Diameter ft.	3,16	6,32	9,48	12,64	15,80	
Lux center	8500	2125	944	531	340	**Beam angle 15°**
Foot candles	790	197	88	49	32	
Diameter cm.	132	263	395	527	658	
Diameter ft.	4,32	8,64	12,96	17,28	21,60	
Lux center	7400	1850	822	463	296	**Beam angle 18°**
Foot candles	688	172	76	43	28	
Diameter cm.	158	317	475	634	792	
Diameter ft.	5,20	10,39	15,59	20,79	25,98	

DMX channels

1	PAN msb 540°	14	GOBO 1 ROTATION/INDEX COARSE
2	PAN lsb	15	GOBO 1 INDEX FINE 16 bit
3	TILT msb 270°	16	GOBO 1 SHAKE
4	TILT lsb	17	GOBO 2
5	SPEED MOVEMENT	18	GOBO 2 SHAKE
6	DIMMER	19	IRIS
7	SHUTTER	20	IRIS MACROS
8	COLOUR 1	21	PRISM
9	COLOUR 1 MODE	22	PRISM ROTATION
10	COLOUR 2	23	FROST
11	COLOUR 2 MODE	24	FOCUS
12	GOBO 1	25	ZOOM
13	GOBO 1 MODE	26	LAMP ON/OFF - RESET

XR8 SPOT

DISCHARGE | 575 | IP20 | FAR | -10 / +40



Overview
The XR8 SPOT is a moving head projector fitted with a 575W discharge lamp, delivering a massive 10.100 Lux / 5 m.
The XR8 SPOT provides a useful combination of custom gobo projections and striking dynamic effects.
The XR8 SPOT is suitable for top level professional applications, including concerts, shows, tours, special events and clubs.

Lamp
Philips MSR 575/2 lamp (49.000 Lumens)
base type GX9,5

Optical group
* 10.100 Lux at 5 m (11°)
* Optical group made with 3 coated lenses combined with a dichroic glass reflector
* 16-bit motorized focus
* 3 selectable zoom angles (11° / 15° / 18°)
* linear dimmer / shutter / strobe (0,85 flash/sec to 10 flash/sec)

Colour generation
* 8-colour wheel with linear selection for perfect 2-colour beams

Dynamic effects
* customizable rotating gobo wheel (7 gobos)
* 3-facet rotating prism
* frost filter

Interface / Control / Programming
* LED display
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
20 DMX channels

Pan & Tilt
* 'FAR' (Free Axis Rotation) optional
* 16-bit movement resolution
* Pan 540° (3,9 sec.); Tilt 270° (2,6 sec.)
* 4 Selectable speed ranges
* Pan/Tilt locking system with recessed buttons
* Automatic Pan/Tilt repositioning in case of knocks

Power supply
* Electronic ballast; 90-260 V 50/60 Hz
* Electro-magnetic ballast; 230 V 50/60 Hz
* Power consumption: 750 W

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature
-10° / 40°

Weight
27 Kg (electronic ballast); 31 Kg (electro-magnetic ballast)

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection

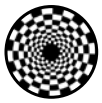
International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Included items
* 1 x MSR 575/2 lamp
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* 2 x"C" Clamp G100 black /professional (max. load. 200Kg) (cod. 0521A015)
* Omega clamp with "Fast Lock"connection 1/4 turn 1 couple (2 pieces) (cod. 02K00467)
* User's manual

Gobo Wheel 1

1. 0516G029.02

2. 0516G02902


3. 0516G029.01

4. 0516G030.01

5. 0516G030.02

6. 0516G030.03

7. 0516G030.04

Colour Wheel

LAVANDER SL0064

ORANGE LW590

GREEN WB5055

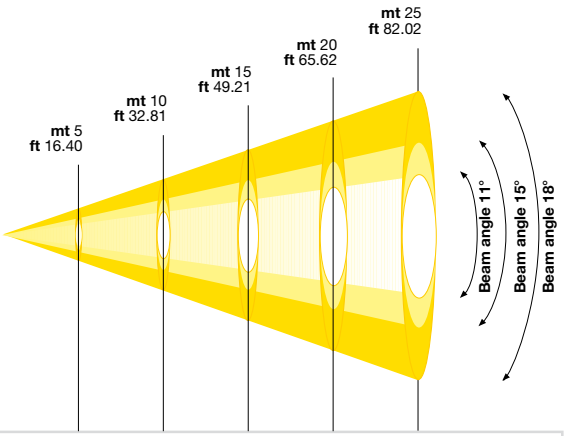
CYAN SW530

PINK SL4761

BLUE SW490

YELLOW LW 515

DARK RED LW 640



Lux center	10100	2525	1122	631	404	**Beam angle 11°**
Foot candles	939	235	104	59	38	
Diameter cm.	96	193	289	385	481	
Diameter ft.	3,16	6,32	9,48	12,64	15,80	
Lux center	8500	2125	944	531	340	**Beam angle 15°**
Foot candles	790	197	88	49	32	
Diameter cm.	132	263	395	527	658	
Diameter ft.	4,32	8,64	12,96	17,28	21,60	
Lux center	7400	1850	822	463	296	**Beam angle 18°**
Foot candles	688	172	76	43	28	
Diameter cm.	158	317	475	634	792	
Diameter ft.	5,20	10,39	15,59	20,79	25,98	

DMX channels

1	PAN msb 540°	11	GOBO MODE
2	PAN lsb	12	GOBO ROTATION-INDEX
3	TILT msb 270°	13	GOBO ROTATION-INDEX FINE
4	TILT lsb	14	GOBO SHAKE
5	P/T SPEED MOVEMENT	15	PRISM
6	DIMMER	16	PRISM ROTATION
7	SHUTTER	17	FOCUS
8	COLOUR	18	ZOOM
9	COLOUR MODE	19	FROST (Priority on Zoom channel)
10	GOBO	20	LAMP ON-OFF / RESET

XR4 SPOT

DISCHARGE | 250 | IP20 | FAR | -10 / +40

Overview
The XR4 SPOT is a compact and lightweight moving head projector fitted with a 250W discharge lamp, delivering 5.450 Lux / 5 m.
The XR4 SPOT provides a useful combination of custom gobo projections and striking dynamic effects.
The XR4 SPOT is suitable for any professional application, including concerts, shows, special events and clubs.

Lamp
GE CSD 250/2SE lamp (18.000 Lumens)
Base type GY9,5

Optical group
* 5.450 Lux at 5 m (14°)
* Optical group made with 2 coated lenses combined with a dichroic glass reflector
* 16-bit motorized focus
* 14° zoom angle (19° - 22° available)
* Linear dimmer / shutter / strobe (0,85 flash/sec to 10 flash/sec)

Colour generation
* 8-colour wheel with linear selection for perfect 2-colour beams

Dynamic effects
* customizable rotating gobo wheel (7 gobos)
* 3-facet rotating prism

Interface / Control / Programming
* LED display
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* Internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
17 DMX channels

Pan & Tilt
* 'FPR' (Free Pan Rotation) optional
* 16-bit movement resolution
* Extremely fast rotations: Pan 540° (2,8 sec.); Tilt 270° (2 sec.)
* 4 Selectable speed ranges
* Pan/Tilt locking system with recessed buttons
* Automatic Pan/Tilt repositioning in case of knocks

Power supply
* Electro-magnetic ballast; 230 V 50/60 Hz
* Power consumption: 350 W

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature
-10° / 40°

Weight
26 Kg

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection

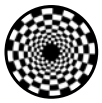
International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Included items
* 1 x CSD 250/2SE lamp
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* 2 x"C" Clamp G100 black /professional (max. load. 200Kg) (cod. 0521A015)
* Omega clamp with "Fast Lock"connection 1/4 turn 1 couple (2 pieces) (cod. 02K00467)
* User's manual

Gobo Wheel 1

1. 0516G029.02

2. 0516G02902



3. 0516G029.01

4. 0516G030.01

5. 0516G030.02

6. 0516G030.03

7. 0516G030.04

Colour Wheel

LAVANDER SL0064

ORANGE LW590

GREEN WB5055

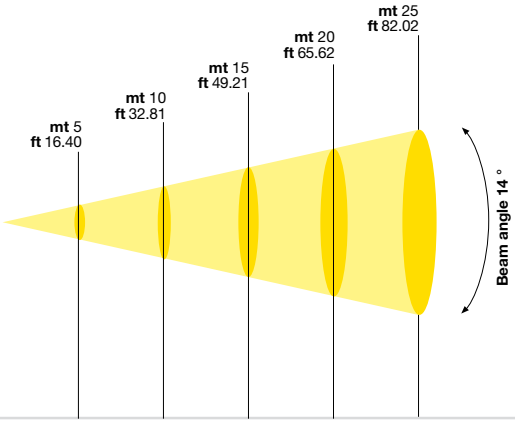
CYAN SW530

PINK SL4761

BLUE SW490

YELLOW LW 515

DARK RED LW 640



Lux center	5450	1363	606	3041	218	**Beam angle 14 °**
Foot candles	507	127	56	32	20	
Diameter cm.	123	246	368	491	614	
Diameter ft.	4,03	8,06	12,08	16,11	20,14	

DMX channels

1	PAN msb 540°	10	GOBO 1
2	PAN lsb	11	GOBO 1 MODE
3	TILT msb 270°	12	GOBO 1 PRISM ROTATION - INDEX
4	TILT lsb	13	GOBO 1 INDEX FINE 16 bit
5	SPEED MOVEMENT	14	GOBO 1 SHAKE
6	DIMMER	15	PRISM
7	SHUTTER	16	FOCUS
8	COLOUR	17	RESET
9	COLOUR MODE		

XR1200 WASH PC

DISCHARGE | 1200 | IP20 | FPR | ETHERNET | -10 / +40

Overview
The XR1200 WASH PC is a high-output moving head projector fitted with a 1200 W discharge lamp, delivering a massive 104.000 Lux / 5 m.
The XR1200 WASH PC provides a powerful combination of sophisticated colour generation (including a linear CMY system, an 8-colour wheel, and 2 colour conversion filters), plus a motorized linear 9° - 19° zoom, and a rotating 16-bit indexable beam shaper (0°-180°).
The XR1200 WASH PC is suitable for top level professional applications, including concerts, shows, tours, special events and large venues.

Lamp
* Philips MSR Gold 1200 Fastfit lamp (95.000 Lumens)
* Base type PGJX50

Optical group
* 104.000 Lux at 5 m (9°)
* PC lens Ø 150 mm combined with a dichroic glass reflector
* 16-bit motorized linear zoom (9°- 19°)
* Rotating and indexable beam shaper (0°-180°)
* Frost filter

Colour generation
* CMY linear system
* colour wheel (8 colours + open) with linear selection for perfect 2-colour beams
* 2 colour conversion filters (3.200°K / 5.600°K)
* 1 Frost filter

Interface / Control / Programming
* Extra-wide, multi-function graphic LCD display (128 x 64)
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* Ethernet ready
* internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
16 DMX channels

Pan & Tilt
* 'FPR' (Free Pan Rotation) available
* 16-bit movement resolution
* Pan 540° (2,9 sec.); Tilt 270° (1,8 sec.)
* 4 Selectable speed ranges
* Pan/Tilt locking system with recessed buttons
* Automatic Pan/Tilt repositioning in case of knocks

Power supply
* Electronic ballast; 90-260 V 50/60 Hz
* Power consumption: 1320 W

Energy saving
* Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature
-10° / 40°

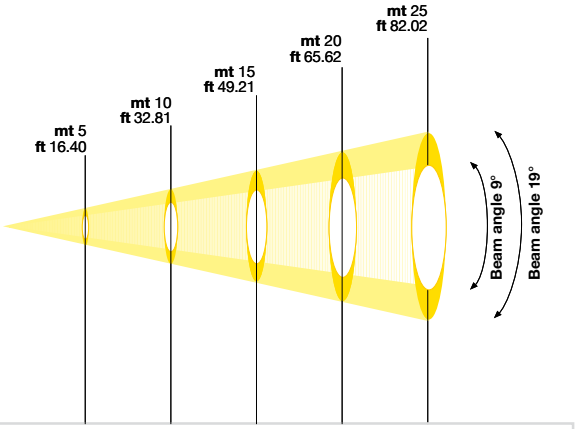
Weight
38 Kg

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection

International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Included items
* 1 x MSR Gold 1200 Fastfit lamp
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* 2 x"C" Clamp GQUICK with "fast lock" connection (max. load. 80Kg) (cod. 0521A014)
* User's manual

Colour Wheel



Lux center	104000	26000	15556	6500	4160	**Beam angle 9°**
Foot candles	9665	2416	1074	604	387	
Diameter cm.	79	157	236	315	394	
Diameter ft.	2,58	5,16	7,75	10,33	12,91	

Lux center	22700	5675	2522	1419	908	**Beam angle 19°**
Foot candles	2110	527	234	132	84	
Diameter cm.	160	320	481	641	801	
Diameter ft.	5,25	10,51	15,76	21,02	26,27	

DMX channels

1	PAN msb (540°)	10	MAGENTA
2	PAN lsb	11	YELLOW
3	TILT msb(320°)	12	SPEED CMY / DIMMER
4	TILT lsb	13	MACRO CMY / COLOUR
5	MOVEMENT SPEED	14	EFFECTS
6	DIMMER	15	ZOOM
7	SHUTTER	16	RESET
8	COLOUR		
9	CYAN		

XR1200 WASH

DISCHARGE | 1200 | IP20 | FPR | ETHERNET | -10 / +40

Overview
The XR1200 WASH is a high-output moving head projector fitted with a 1200 W discharge lamp, delivering a massive 55.000 Lux / 5 m.
The XR1200 WASH provides a powerful combination of sophisticated colour generation (including a linear CMY system, an 8-colour wheel, and 2 colour conversion filters), plus a motorized linear 14° - 26° zoom, and a rotating 16-bit indexable beam shaper (0°-180°).
The XR1200 WASH is suitable for top level professional applications, including concerts, shows, tours, special events and large venues.

Lamp
* Philips MSR Gold 1200 Fastfit lamp (95.000 Lumens)
* Base type PGJX50

Optical group
* 55.000 Lux at 5 m (14°)
* Fresnel lens Ø 200 mm combined with a dichroic glass reflector
* 16-bit motorized linear zoom (14°- 26°)
* Rotating and indexable beam shaper (0°-180°)
* Frost filter

Colour generation
* CMY linear system
* colour wheel (8 colours + open) with linear selection for perfect 2-colour beams
* 2 colour conversion filters (3.200°K / 5.600°K)

Interface / Control / Programming
* Extra-wide, multi-function graphic LCD display (128 x 64)
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* Ethernet ready
* internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
16 DMX channels

Pan & Tilt
* 'FPR' (Free Pan Rotation) optional
* 16-bit movement resolution
* Pan 540° (2,9 sec.); Tilt 270° (1,8 sec.)
* 4 Selectable speed ranges
* Pan/Tilt locking system with recessed buttons
* Automatic Pan/Tilt repositioning in case of knocks

Power supply
* Electronic ballast; 90-260 V 50/60 Hz
* Power consumption: 1320 W

Energy saving
* Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature
-10° / 40°

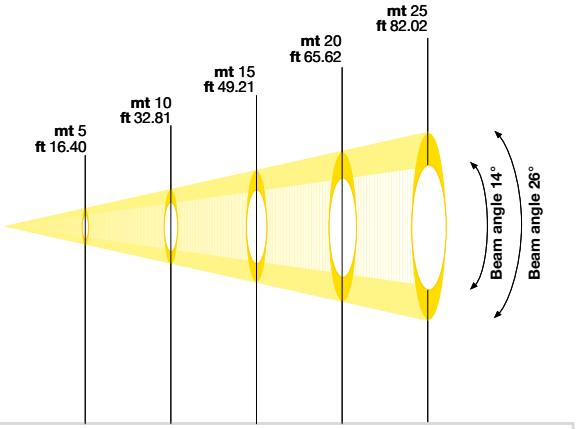
Weight
38 Kg

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection

International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Included items
* 1 x MSR Gold 1200 Fastfit lamp
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* 2 x"C" Clamp G100 black /professional (max. load. 200Kg) (cod. 0521A015)
* Omega clamp with "Fast Lock"connection 1⁄4 turn 1 couple (2pieces) (cod. 02K00467)
* User's manual

Colour Wheel



Lux center	55000	13750	6111	3438	2200	**Beam angle 14°**
Foot candles	5112	1278	568	319	204	
Diameter cm.	123	246	368	491	614	
Diameter ft.	4,03	8,06	12,08	16,11	20,14	

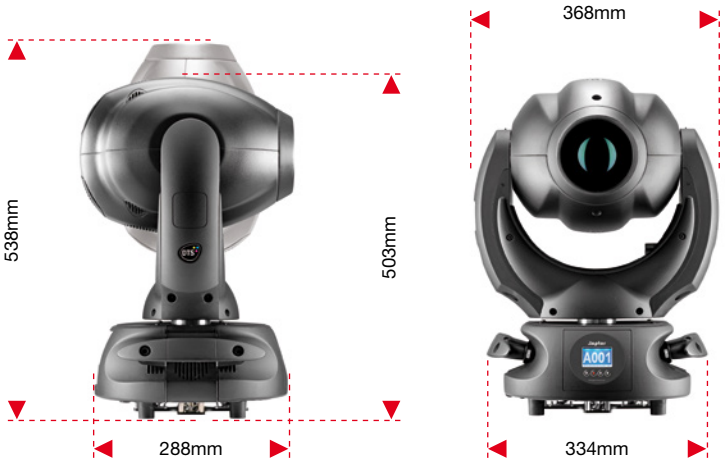
Lux center	11300	2825	1256	706	452	**Beam angle 26°**
Foot candles	1050	263	117	66	42	
Diameter cm.	249	499	748	997	1247	
Diameter ft.	8,18	16,36	24,54	32,72	40,90	

DMX channels

1	PAN msb (540°)	10	MAGENTA
2	PAN lsb	11	YELLOW
3	TILT msb(320°)	12	SPEED CMY / DIMMER
4	TILT lsb	13	MACRO CMY / COLOUR
5	MOVEMENT SPEED	14	EFFECTS
6	DIMMER	15	ZOOM
7	SHUTTER	16	RESET
8	COLOUR		
9	CYAN		

RAPTOR

DISCHARGE | 330 | IP20 | FPR | RDM | ARTNET | -10 / +40



Overview
RAPTOR is the most compact Beam moving head on the market: just 37cm x 50cm.
RAPTOR projects the most powerful beam of light (150.000 Lux / 15m), and the most concentrated one.
RAPTOR can perfectly focus its 17 gobos at any distance.
Its unique selectable 'Smooth' filter eliminates the hot spot typical of Beam projectors, evenly diffusing luminosity at any point of the light beam.
RAPTOR comes equipped with the 'FPR' (patented) system, which allows limitless pan rotation, in either direction, never having to reverse motion.
Also, the unit features the fastest strobe effect.

Lamp
Osram Sirius HRI 330W (16.500 Lumens; 7.500°K)

Optical group
Beam opening: 0,6° - 3,4°
16-bit motorized linear focus
Linear dimmer / shutter / ultra-fast strobe
150.000 Lux / 15 m

Colour generation
17-colour wheel with linear selection for perfect 2-colour beams

Dynamic effects
17-gobo wheel
8-facet rotating prism

Filters
Smooth filter (eliminates the hot spot, evenly diffusing luminosity)
Frost filter

Interface / Control / Programming
LCD graphic display (control / management / monitoring of the main parameters)
4 soft-keys
Controlled via DMX 512
RDM
Wireless ready
Internal operating system updatable via D.T.S.
RED BOX interface and hyperterminal program on windows based PC

DMX
18 DMX channels

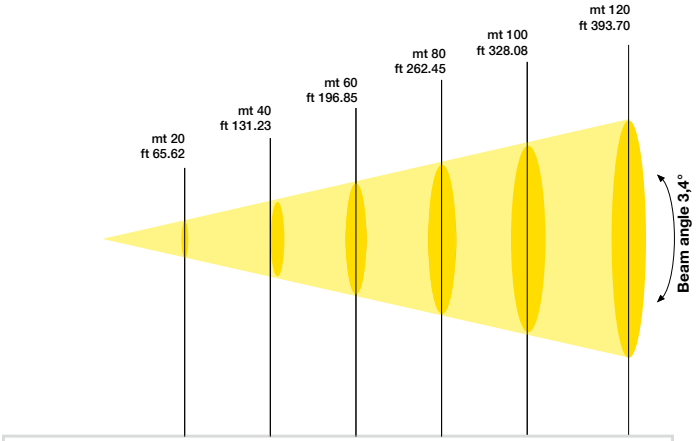
Pan/Tilt
* 'FPR': limitless pan rotation, in either direction, never having to reverse motion
* New Tri-phase stepper motor technology for ultra-fast and silent Pan & Tilt movements
* Pan 540° (2,5 sec.); Tilt 270° (1,5 sec.)
* 16-bit movement resolution

Power supply
Electronic ballast: 90-260V 50/60Hz;
Consumption: 450 W with PFC

Energy saving
Power saving mode (the lamp dims to 80% after shutter closure)

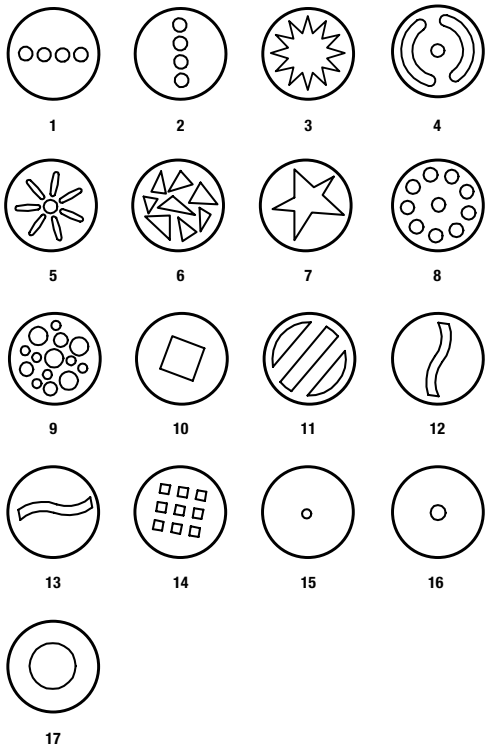
Connectors
DMX: 4 x XLR (3-pole In and Out; 5-pole In and Out) by Neutrik;
Power supply: POWERCON IN / OUT connectors by Neutrik.

Weight
15,4 Kg



Lux center lx.	50000	22050	9800	5513	3528	2450
Foot candles fc.	8197	2049	911	512	328	228
Diameter cm.	119	237	356	475	594	712
Diameter ft.	3,89	7,79	11,68	15,58	19,47	23,37

Gobo Wheel



Colour Wheel

DMX channels

1	PAN msb	10	COLOUR MODE
2	PAN lsb	11	FIXED GOBO
3	TILT msb	12	FIXED GOBO SHAKE
4	TILT lsb	13	FROST
5	SPEED MOVEMENT	14	SMOOTH
6	PAN FAR (Active only on RAPTOR FPR)	15	PRISM
		16	PRISM ROTATION
7	DIMMER	17	FOCUS
8	SHUTTER	18	RESET + LAMP
9	COLOUR		

XR3000 BEAM

DISCHARGE | 1200 | IP20 | FPR | ETHERNET | -10 / +40

Overview
The XR3000 BEAM is a moving head projector with an extremely high light efficiency, projecting a parallel and very concentrated beam of light over great distances.
The XR3000 BEAM generates a luminosity of an incredible 283.500 Lux / 5 metres, using only a 1200 W lamp, giving an exceptional balance between performance and power consumption.
The unit offers an endless variety of colours, thanks to linear CMY synthesis + a 7-colour wheel, and striking air effects, thanks to its customizable gobo wheel.
The XR3000 BEAM is designed for a wide range of top professional applications, like concerts, shows, tours and big events.

Lamp
Philips MSR Gold 1200 Fastfit lamp
(95.000 Lumens)
base type PGJX50

Optical group
* 283.500 Lux at 5 m (5,6°)
* PMMA lens Ø 195 mm combined with a dichroic glass reflector

Colour generation
* Sophisticated CMY colour synthesis system with 3 palettes for linear insertion
* Colour wheel (7 colours) with linear selection for perfect 2-colour beams

Dynamic effects
* Customizable rotating gobo wheel (7 gobos)
* Linear frost filter (soft edge)

Interface / Control / Programming
* Extra-wide, multi-function graphic LCD display (128 x 64)
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* Ethernet ready
* internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
21 DMX channels

Pan & Tilt
* 'FPR' (Free Pan Rotation) available
* 16-bit movement resolution
* Pan 540° (3,9 sec.); Tilt 270° (2,6 sec.)
* 4 Selectable speed ranges
* Pan/Tilt locking system with recessed buttons
* Automatic Pan/Tilt repositioning in case of knocks

Power supply
* Electronic ballast; 90-260 V 50/60 Hz
* Power consumption: 1320 W

Energy saving
* Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature
-10° / 40°

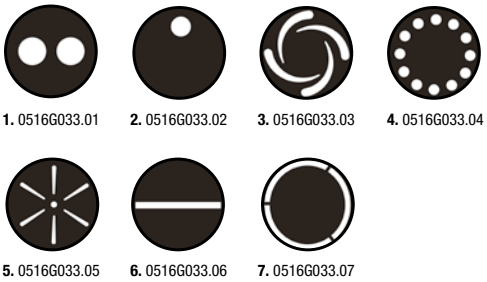
Weight
41,50 Kg

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection

International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Included items
* 1 x MSR Gold 1200 Fastfit lamp
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* 2 x"C" Clamp G100 black /professional (max. load. 200Kg) (cod. 0521A015)
* Omega clamp with "Fast Lock"connection 1/4 turn (2 pieces) (cod. 02K00467)
* User's manual

Gobo Wheel



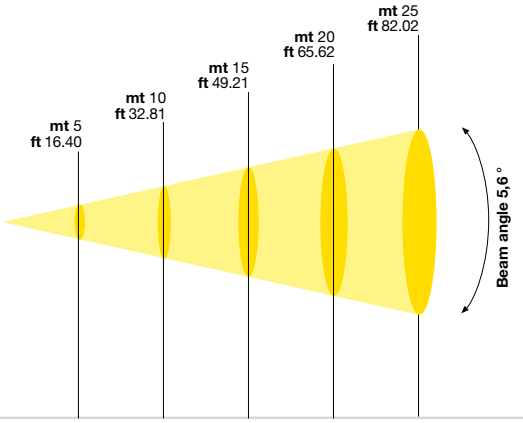
1. 0516G033.01 **2.** 0516G033.02 **3.** 0516G033.03 **4.** 0516G033.04

5. 0516G033.05 **6.** 0516G033.06 **7.** 0516G033.07

Colour Wheel

CONV.FILTER HOT TC3256 | DARK BLUE SW460 | ORANGE LW590 | GREEN WB5055

DARK RED LW 640 | BLUE SW490 | AMBER LW550



Lux center	283500	70875	31500	17719	11340	**Beam angle 5,6 °**
Foot candles	26348	6587	2928	1647	1054	
Diameter cm.	50	100	149	199	249	
Diameter ft.	1,63	3,27	4,90	6,53	8,17	

DMX channels

1	PAN msb 540°	12	YELLOW
2	PAN lsb	13	SPEED CMY
3	TILT msb 270°	14	MACRO CMY
4	TILT lsb	15	GOBO
5	SPEED MOVEMENT	16	GOBO MODE
6	DIMMER	17	GOBO ROTATION/INDEX
7	SHUTTER	18	GOBO INDEX FINE
8	COLOUR	19	GOBO SHAKE
9	COLOUR mode	20	FROST
10	CYAN	21	RESET - LAMP
11	MAGENTA		

XR2000 BEAM

DISCHARGE | 700 | IP20 | FPR | ETHERNET | -10 / +40

Overview
The XR2000 BEAM is a moving head projector with an extremely high light efficiency, projecting a parallel and very concentrated beam of light over great distances.
The XR2000 BEAM generates a luminosity of no less than 186.200 Lux / 5 metres, using only a 700 W lamp, giving an exceptional balance between performance and power consumption.
The unit offers an endless variety of colours, thanks to linear CMY synthesis + a 7-colour wheel, and striking air effects, thanks to its customizable gobo wheel.
The XR2000 BEAM FPR is designed for a wide range of top professional applications, like concerts, shows, tours and big events.

Lamp
Philips MSR Gold 700/2 Fastfit lamp
(50.000 Lumens)
base type PGJX50

Optical group
* 186.200 Lux at 5 m (5,6°)
* PMMA lens Ø 195 mm combined with a dichroic glass reflector

Colour generation
* Sophisticated CMY colour synthesis system with 3 palettes for linear insertion
* Colour wheel (7 colours) with linear selection for perfect 2-colour beams

Dynamic effects
* Customizable rotating gobo wheel (7 gobos)
* Linear frost filter (soft edge)

Interface / Control / Programming
* Extra-wide, multi-function graphic LCD display (128 x 64)
* 4 soft-keys (control / management / monitoring of the main parameters)
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* Ethernet ready.
* internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX
21 DMX channels

Pan & Tilt
* 'FPR' (Free Pan Rotation) available
* 16-bit movement resolution
* Pan 540° (3,9 sec.); Tilt 270° (2,6 sec.)
* 4 Selectable speed ranges
* Pan/Tilt locking system with recessed buttons
* Automatic Pan/Tilt repositioning in case of knocks

Power supply
* Electronic ballast; 90-260 V 50/60 Hz
* Power consumption: 820 W

Energy saving
* Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature
-10° / 40°

Weight
37 Kg

Internal safety devices
* Overvoltage circuit protection and overtemperature circuit protection

International certifications
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Included items
* 1 x MSR Gold 700/2 Fastfit lamp
* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* 2 x"C" Clamp G100 black /professional (max. load. 200Kg) (cod. 0521A015)
* Omega clamp with "Fast Lock"connection 1/4 turn (2 pieces) (cod. 02K00467)
* User's manual

Gobo Wheel

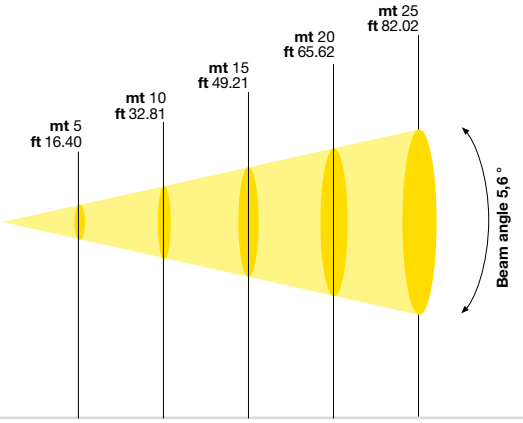
1. 0516G033.01 **2.** 0516G033.02 **3.** 0516G033.03 **4.** 0516G033.04

5. 0516G033.05 **6.** 0516G033.06 **7.** 0516G033.07

Colour Wheel

CONV.FILTER HOT TC3256 | DARK BLUE SW460 | ORANGE LW590 | GREEN WB5055

DARK RED LW 640 | BLUE SW490 | AMBER LW550



Lux center	186200	46550	20689	11638	7448	**Beam angle 5,6 °**
Foot candles	17305	4326	1923	1082	692	
Diameter cm.	49	98	147	196	245	
Diameter ft.	1,60	3,21	4,81	6,42	8,02	

DMX channels

1	PAN msb 540°	12	YELLOW
2	PAN lsb	13	SPEED CMY
3	TILT msb 270°	14	MACRO CMY
4	TILT lsb	15	GOBO
5	SPEED MOVEMENT	16	GOBO MODE
6	DIMMER	17	GOBO ROTATION/INDEX
7	SHUTTER	18	GOBO INDEX FINE
8	COLOUR	19	GOBO SHAKE
9	COLOUR mode	20	FROST
10	CYAN	21	RESET - LAMP
11	MAGENTA		

NICK NRG 1201

8°- 50° motorized zoom with high efficiency optic system:
you can use it as a very wide Wash or as a PC Beam

30 high-power Full Colour LEDs (RGBW)
Sophisticated colour generation: 16 million colours

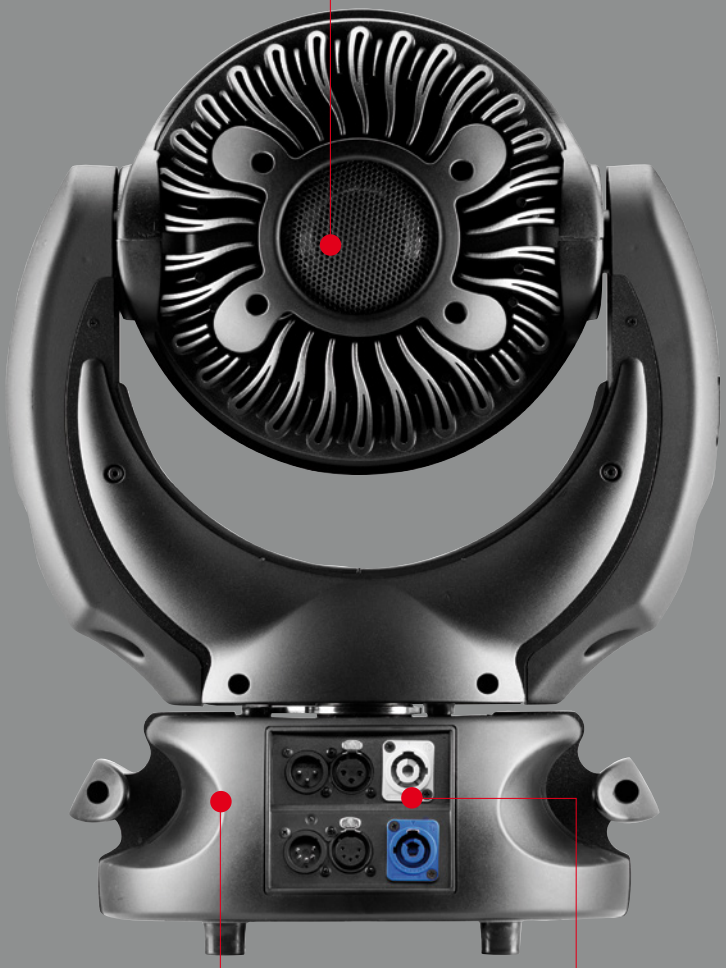
Ultra-fast Pan & Tilt;
FPR' (patent pending) system: limitless pan rotation, in either direction, never having to reverse motion

Ergonomic & attractive design

OLED colour graphic display;
control / management / monitoring
of the main parameters

Low-noise operation: optimized airflow
through the large aluminium heat sink;
a heat sensor maintain fan speed
at the minimum needed for efficient cooling

Super-compact
& lightweight



Electronic full-range power supply:
reliable operation even in the presence
of significant power surges; optimal light yield even
in the case of voltage drops; no flickering; correct
voltage in any part of the world

DMX: 4 XLR connectors (3-pole In and Out;
5-pole In and Out) by Neutrik;
Power supply: POWERCONN In/Out
connectors by Neutrik

NICK NRG 1201

Overview
NICK NRG 1201 is the most efficient LED moving head wash light ever produced and, thanks to its specifically developed optical group, fears no competition.
The exceptional brightness/consumption ratio makes NICK NRG 1201 a truly “green” fixture.
NICK NRG’s new-generation optical group is an exclusive D.T.S. feature.
NICK NRG 1201 is equipped with 30 high-power full-colour LEDs (RGBW).
NICK NRG 1201 features 8°- 50° motorized zoom with a high efficiency optical system - enabling it to be used as a PC Beam or a very wide Wash - and ultra-fast silent Pan/Tilt.
NICK NRG 1201 is also equipped with the “FPR” system (patent pending), which enables limitless pan rotation in both directions, with no need for inversion.
NICK NRG 1201 is suitable for top professional applications, such as tours and special events.
NICK NRG 1201 is also available as NICK NRG 1201 CT (30 Full White LEDs, 2700°K-6500°K).

LED Technology
* 30 FULL COLOUR LEDs (RGBW)

Optical group
* 8°- 50° linear motorized zoom with high-efficiency optical system
* Uniform projection on surfaces, from very wide Wash to PC Beam

Colour generation
* 16 million colours
* Wide palette of pure uniform whites with variable linear colour temperature (2700°K - 8000°K)

Interface / Control / Programming
* Multi-function OLED graphic colour display + 4 soft keys: control / management / monitoring of the main parameters
* Controlled via DMX 512 and RDM standard digital communication protocols
* Wireless ready
* Ethernet ready
* Internal operating system updatable via D.T.S. RED BOX interface via “D.T.S. firmware upgrade utility” program on windows based PC

DMX
20 DMX channels

Pan & Tilt
* ‘FPR’: limitless pan rotation, in either direction, never having to reverse motion
* 16-bit movement resolution
* Ultra-fast movement: Pan 540° (2 sec.); Tilt 270° (1,2 sec.)
* 4 Selectable speed ranges

Power supply
* Electronic full-range AC 90-260 V 50/60 Hz
* Power consumption:
  90 V - 3,7 A - 340 W
  120 V - 2,83 A - 340 W
  230 V - 1,47 A - 340 W
  260 V - 1,3 A - 340 W

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN In/Out connectors by Neutrik

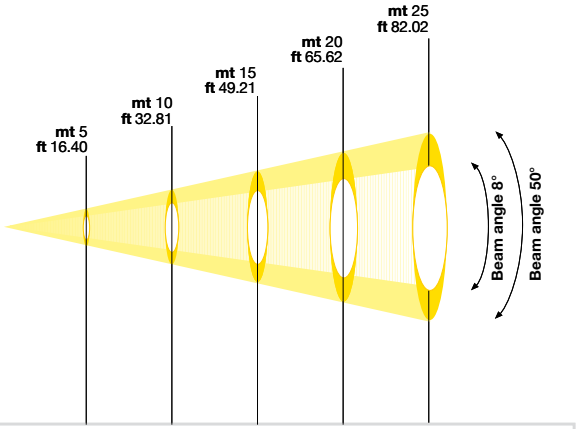
Operating ambient temperature
-10° / 40°

Weight
10,5 Kg

International certifications
Certification CE; LED Class: Class 2 LED product

Included items
* 1 x POWERCONN male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* “C” Clamp GQUICK with “Fast Lock” connection 1/4 turn (cod. 0521A014)
* User’s manual

NICK NRG 1201



Lux center	10500	2625	1167	656	420	**Beam angle 8°**
Foot candles	976	244	108	61	39	
Diameter cm.	70	140	210	280	350	
Diameter ft.	2,29	4,59	6,88	9,18	11,47	

Lux center	700	175	78	44	28	**Beam angle 50°**
Foot candles	65	15	7	4	3	
Diameter cm.	364	728	1092	1456	1820	
Diameter ft.	11,94	23,88	35,82	47,76	59,71	

DMX channels

1	PAN msb 540°	11	GREEN
2	PAN lsb	12	BLUE
3	TILT msb 270°	13	WHITE
4	TILT lsb	14	WHITE PREPROGRAMMED
5	SPEED MOVEMENT	15	CTC
6	PAN FPR	16	MACRO
7	NO FUNCTION	17	FUNCTION
8	SHUTTER	18	ZOOM
9	DIMMER	19	NO FUNCTION
10	RED	20	RESET

NICK NRG 1200

Overview
NICK NRG 1200 is the most efficient LED moving head wash light ever produced.
The exceptional brightness/consumption ratio makes NICK NRG 1200 a truly “green” fixture.
NICK NRG 1200 is equipped with 30 high-power Full Colour LEDs.
NICK NRG 1200 features two interchangeable lens fittings: Spot and Medium Flood - and ultra-fast silent Pan/Tilt.
NICK NRG 1200 is suitable for top professional applications, such as tours and special events.
NICK NRG 1200 is also available as NICK NRG 1200 CT (30 Full White LEDs, 2700°K-6500°K).

LED Technology
* 30 Full Colour LEDs (RGBW)

Optical group
* Two interchangeable lenses sets: Spot, Medium Flood
* Uniform projection on surfaces

Colour generation
* 16 million colours
* Wide palette of pure uniform whites with variable linear colour temperature (2700°K - 8000°K)

Interface / Control / Programming
* Multi-function OLED graphic colour display + 4 soft keys: control / management / monitoring of the main parameters
* Controlled via DMX 512 and RDM standard digital communication protocols
* Wireless ready
* Ethernet ready
* Internal operating system updatable via D.T.S. RED BOX interface via “D.T.S. firmware upgrade utility” program on windows based PC

DMX
20 DMX channels

Pan & Tilt
* 16-bit movement resolution
* Ultra-fast movement: Pan 540° (2 sec.); Tilt 270° (1,2 sec.)
* 4 Selectable speed ranges

Power supply
* Electronic full-range AC 90-260 V 50/60 Hz
* Power consumption:
  90 V - 3,7 A - 340 W
  120 V - 2,83 A - 340 W
  230 V - 1,47 A - 340 W
  260 V - 1,3 A - 340 W

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN In/Out connectors by Neutrik

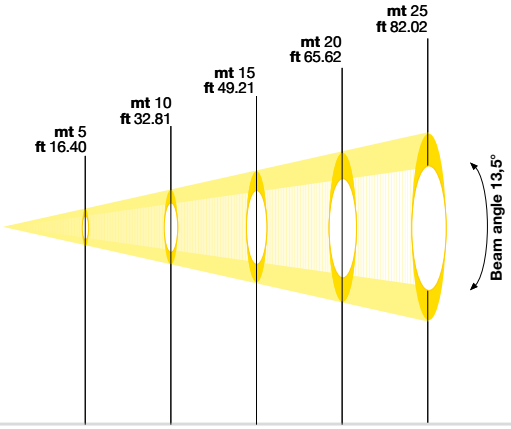
Operating ambient temperature
-10° / 40°

Weight
9,5 Kg

International certifications
Certification CE; LED Class: Class 2 LED product

Included items
* 1 x POWERCONN male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* “C” Clamp GQUICK with “Fast Lock” connection 1/4 turn (cod. 0521A014)
* User’s manual

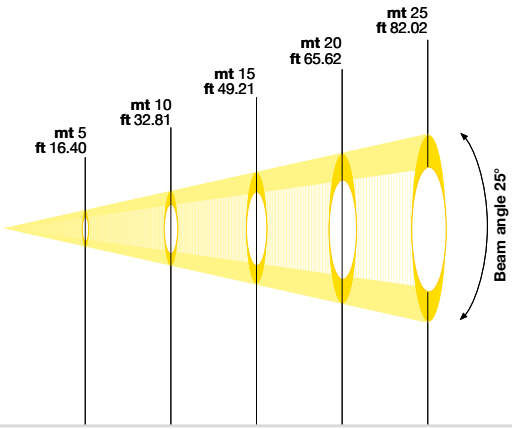
NICK NRG 1200



Lux center	4750	1188	528	297	190	**Beam angle 13,5°**
Foot candles	441	110	49	28	18	
Diameter cm.	118	237	355	473	592	
Diameter ft.	3,88	7,77	11,65	15,53	19,42	

DMX channels

1	PAN msb 540°	11	GREEN
2	PAN lsb	12	BLUE
3	TILT msb 270°	13	WHITE
4	TILT lsb	14	WHITE PREPROGRAMMED
5	SPEED MOVEMENT	15	CTC
6	NO FUNCTION	16	MACRO
7	NO FUNCTION	17	FUNCTION
8	SHUTTER	18	NO FUNCTION
9	DIMMER	19	NO FUNCTION
10	RED	20	RESET



Lux center	2050	513	228	128	82	**Beam angle 25°**
Foot candles	191	48	21	12	8	
Diameter cm.	222	443	665	887	1108	
Diameter ft.	7,27	14,55	21,82	29,09	36,37	

NICK 600 WASH RGBW

Overview

NICK 600 WASH RGBW is a self-contained compact high-output LED moving head projector with 13,5° - 40° motorized zoom, and ultra-fast & silent Pan/Tilt (also available featuring the breakthrough 'FAR' technology).
NICK 600 WASH RGBW is also available with three interchangeable optical units (Spot, Medium flood, Wide flood).
NICK 600 WASH RGBW is one of the brightest compact LED projectors on the market: luminous flux is no less than 9.750 Lumens.
The NICK 600 WASH RGBW provides a powerful colour synthesis engine: * 16 million colours, * linear colour temperature (2800°K to 6500°K), * 2 colour mixing modes: RGBW, CMY.
NICK 600 WASH RGBW is suitable for a variety of applications, such as: lighting shopping malls, libraries, museums, exhibitions, clubs, restaurants, buildings, monuments, as well as concerts, special events, fashion displays, etc.
The unit is easily installable even in the most refined settings, thanks to its attractive appearance.

LED Technology

* 120 LEDs (30 Red, 30 Green, 30 Blue, 30 White); 9.750 lumens.
* Also available as NICK 600 CT WASH ZOOM (80 white + 40 amber LEDs - 2000°K-6500°K colour temperature)

Optical group

* 3.100 Lux at 5 m
* motorized linear zoom 13,5°- 40° with high efficiency optic system
* high mixing quality for RGBW colours, thanks to LEDs even distribution pattern
* uniform projection on surfaces, no matter what colour is used

Colour generation

* 16 million colours
* 2 colour mixing modes (RGBW / CMY)
* Variable linear colour temperature (2800°K - 6500°K)

Interface / Control / Programming

* Multi-function OLED graphic colour display + 4 soft keys: control / management / monitoring of the main parameters
* Controlled via DMX 512 standard digital communication protocol
* Wireless ready
* Ethernet ready
* Internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX

17 DMX channels

Pan & Tilt

* 'FAR' Free Axis Rotation system (patent pending) optional: limitless pan / tilt rotation, in either direction, never having to reverse motion
* 16-bit movement resolution
* Ultra-fast movement: Pan 540° (2 sec.); Tilt 270° (1,2 sec.)
* 4 Selectable speed ranges

Power supply

* Electronic full-range AC 90-260 V 50/60 Hz
* Power consumption:
  90 V - 2,65 A - 240 W
  120 V - 2 A - 240 W
  230 V - 1 A - 240 W
  260 V - 0,9 A - 240 W

Connectors

* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN connector by Neutrik

Operating ambient temperature

-10° / 40°

Weight

7,9 Kg

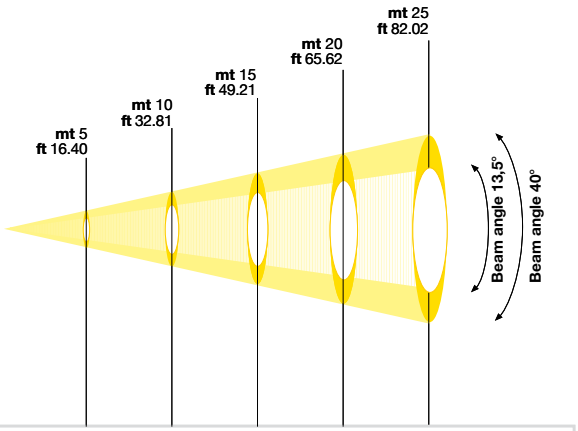
International certifications

Certification CE; LED Class: Class 2 LED product

Included items

* 1 x POWERCON male cable connector (cod. 0520P014)
* 1 x XLR 5 Pins male cable connector (cod. 0508B028)
* 1 x XLR 5 Pins female cable connector (cod. 0508B027)
* "C" Clamp GQUICK with "Fast Lock" connection 1/4 turn (cod. 0521A014)
* User's manual

NICK 600 WASH RGBW



Lux center	3.100	775	344	194	124	**Beam angle 13,5°**
Foot candles	288	72	32	18	12	
Diameter cm.	118	237	355	473	592	
Diameter ft.	3,88	7,77	11,65	15,53	19,42	

Lux center	725	181	81	45	29	**Beam angle 40°**
Foot candles	67	17	7	4	3	
Diameter cm.	364	728	1092	1456	1820	
Diameter ft.	11,94	23,88	35,82	47,76	59,71	

DMX channels

1	PAN msb 540°	10	BLUE
2	PAN lsb	11	AMBER \ WHITE
3	TILT msb 270°	12	WHITE PREPROGRAMMED
4	TILT lsb	13	CTC
5	SPEED MOVEMENT	14	MACRO
6	SHUTTER	15	FUNCTION
7	DIMMER	16	ZOOM
8	RED	17	RESET
9	GREEN		

ACCESSORIES

The Lighting Company

LAMPS	**0505S036**	MSD PLATINUM 16R 330W lamp
	0505S037	SIRIUS 330W lamp
	0505S034	MSD Platinum 5R 189W lamp
	0505S019	MSR Gold 1200 Fastfit lamp
	0505S018	MSR Gold 700/2 Fastfit lamp
	0505S005	MSR 575/2-HSR 575W lamp
	0505S026	CSD 250/2SE 250W lamp
	0505S024	Philips 300/2 miniFastFit lamp
	0505S030	Osram Lok-it 300W lamp
LENSES	**0506L016**	Optic lens (beam opening 19°)
	0506L017	Optic lens (beam opening 22°)
FLIGHT CASES	**0521C043.1**	Professional Flight case; compartment for lamps and accessories, swivel wheels, cover with hinges with-stay, dishes on cover for piling
	0521C042.1	Professional Flight case; compartment for lamps and accessories, swivel wheels, cover with hinges with-stay, dishes on cover for piling
	0521C041.1	Professional Flight case; compartment for lamps and accessories, swivel wheels, cover with hinges with-stay, dishes on cover for piling, front door
	0521C040.1	Double professional flight case; compartment for lamps and accessories, swivel wheels, cover wuth hinges with-stay, dishes on cover for piling
	0521C038.1	Double professional flight case; compartment for lamps and accessories, swivel wheels, dishes on cover for piling, double door on sides
	0521C040	Double Flight case; compartment for lamps and accessories, swivel wheels, cover with hinges with-stay, dishes on cover for piling
	0521C038	Double flight case; compartment for lamps and accessories, swivel wheels, dishes on cover for piling
	0521C032.1	Double Professional flight case, compartment for lamps and accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles
	0521C032	Double flight case, compartment for lamps and accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles
	0521C046.1	Professional flight case for 4 units, compartment for accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles
	0521C050.1	Professional flight case for 6 units, compartment for accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles
	0521C051.1	Professional flight case for 4 units, compartment for accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles
	0521C052.1	Professional flight case for 4 units, compartment for accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles
RAINCOVERS	**03.MA009**	Raincover for XR3000/XR2000 base (top)
	03.MA010	Raincover for XR3000/XR2000 base (bottom)
	03.MA001	Raincover for XR base (top)
	03.MA002	Raincover for XR base (bottom)
OUTDOOR INFLATABLE COVERS	**0521A030**	Inflatable Cover H80 for any XR-series fixture (except for XR3000 / XR2000 / XR1200 WASH if hanged upside down)
	0521A032	Inflatable Cover H160 (suitable for XR3000 / XR2000 / XR1200 WASH if hanged upside down)
EMBEDDING FLANGES	**03.MA007**	Embedding flange for all XR-series moving heads (no visible display)
WIRELESS DMX CARDS	**03.LA.115**	Wireless DMX Receiver Card with 0508A033 - INDOOR IP20 2-dBi antenna included
	03.LA.117	Wireless DMX Receiver Card with 0508A033 - INDOOR IP20 2-dBi antenna included
	03.LA.126	Wireless DMX Receiver Card with 0508A033 - INDOOR IP20 2-dBi antenna included
CLAMPS/ SAFETY WIRES	**0521A004**	"C" Clamp G60 black (max. load 50Kg)
	0521A004.20	"C" Clamp G60 chrome (max. load. 50Kg)
	0521A014	"C" Clamp GQUICK with "Fast Lock" connection 1/4 turn (max. load. 80Kg)
	0521A015	"C" Clamp G100 black / professional (max. load. 200Kg)
	02K00467	Omega clamp with "Fast Lock" connection 1⁄4 turn 1 couple (2 pieces)
	0521A010	Safety wire (3mm x 60 cm), ring spring catch, max. capacity load 60Kg
INTERFACES	**03.LA.008**	RED BOX software update interface

MAX	JACK	XR3000 SPOT CMY	XR2000 SPOT CMY	XR2000 SPOT	XR9 SPOT	XR8 SPOT	XR4 SPOT	XR1200 WASH PC	XR1200 WASH	RAPTOR	XR3000 BEAM	XR2000 BEAM	NICK NRG 1201	NICK NRG 1200	NICK 600 WASH RGBW
Y															
										Y					
	Y														
		Y						Y	Y		Y				
			Y	Y								Y			
					Y	Y									
							Y								
							Y								
							Y								
								Y	Y						
		Y	Y	Y							Y	Y			
								Y	Y						
		Y	Y	Y							Y	Y			
								Y	Y						
		Y	Y	Y							Y	Y			
					Y	Y	Y								
					Y	Y	Y								
															Y
															Y
													Y	Y	
	Y														
		Y	Y	Y				Y	Y						
		Y	Y	Y				Y	Y						
					Y	Y	Y								
					Y	Y	Y								
		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y			
		Y	Y	Y				Y	Y						
		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y			
		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y			
															Y
Y	Y									Y			Y	Y	
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

TECHNICAL DATA

The Lighting Company

	HIGH-POWER COMPACT MOVING HEADS		SPOT MOVING HEADS				
	MAX	**JACK**	**XR 3000 SPOT CMY**	**XR 2000 SPOT CMY**	**XR 2000 SPOT**	**XR 9 SPOT**	**XR 8 SPOT**
LIGHT SOURCE	MSD Platinum 16R 330W	MSD Platinum 5R	Philips MSR Gold 1200 Fastfit	Philips MSR Gold 700/2 Fastfit	Philips MSR Gold 700/2 Fastfit	Philips MSR 575/2	Philips MSR 575/2
OPTICAL GROUP	11 coated lenses	11 coated lenses	11 coated lenses	11 coated lenses	11 coated lenses	3 coated lenses	3 coated lenses
TOTAL LUMENS	16.000	7.950	95.000	50.000	50.000	49.000	49.000
LUX / 5M	100.000 (2°)	50.000 (2,5°)	85.000 (10°)	63.500 (10°)	63.500 (10°)	10.100 (11°)	10.100 (11°)
MOTORIZED FOCUS	Y	Y	Y	Y	Y	Y	Y
MOTORIZED IRIS	Y	Y	Y	Y	Y	Y	
ZOOM	LINEAR 2° - 60°	LINEAR 2,5° - 46°	LINEAR 10° - 35°	LINEAR 10° - 35°	LINEAR 10° - 35°	11°/15°/18°	11°/15°/18°
LINEAR DIMMER / SHUTTER	Y	Y	Y	Y	Y	Y	Y
STROBE 0,85 - 10 FLASH/SEC	Y	Y	Y	Y	Y	Y	Y
COLOUR SYNTHESYS	CMY		CMY	CMY			
COLOURS (COLOUR WHEEL - 1)	17	18	7	7	7	8	8
COLOURS (COLOUR WHEEL - 2)					7	8	
COLOUR CONVERSION FILTERS	LINEAR CTO	CTO / CTB	CTO	CTO	1/2 CTO/CTO/CTB	1/2 CTO/CTO/CTB	
GOBOS (ROTATING GOBO WHEEL)	9	9	7	7	7	7	7
GOBOS (FIXED GOBO WHEEL)	10	10	8	8	8	11	
ANIMATION WHEEL	Y		Y	Y			
PRISM	4-FACET	4-FACET	3-FACET	3-FACET	3-FACET	3-FACET	3-FACET
FROST FILTER	Y		Y	Y	Y	Y	Y
ROTATING BEAM SHAPER (0°-180°)							
PAN 540°	2,5 SEC	2,5 SEC	3,9 SEC	3,9 SEC	3,9 SEC	3,9 SEC	3,9 SEC
TILT 270°	1,5 SEC	1,5 SEC	2,6 SEC	2,6 SEC	2,6 SEC	2,6 SEC	2,6 SEC
FREE AXIS ROTATION AVALAIBLE						Y	Y
FREE PAN ROTATION AVALAIBLE	Y	Y	Y	Y	Y		
DMX CHANNELS	33	25	30	30	25	26	20
DISPLAY	LCD GRAPHIC	LCD GRAPHIC	GRAPHIC 128X64	GRAPHIC 128X64	GRAPHIC 128X64	LED	LED
WIRELESS READY	Y	Y	Y	Y	Y	Y	Y
ETHERNET READY	ON REQUEST	Y	Y	Y	Y		
4 DMX CONNECTORS (3/5-POLE IN/OUT)	Y	Y	Y	Y	Y	Y	Y
POWERCONN POWER CONNECTOR	Y	IN / OUT	Y	Y	Y	Y	Y
ELECTRONIC BALLAST 90-260 V 50/60 HZ	Y	Y	Y	Y	Y	Y	Y
ELECTRO-MAGNETIC BALLAST 230 V 50/60 HZ						Y	Y
POWER CONSUMPTION	450 W	230 W	1.320 W	820 W	820 W	750 W	750 W
WEIGHT (ELECTRONIC BALLAST)	20 KG	11,9 KG	46,5 KG	44,5 KG	43,5 KG	28 KG	27 KG
WEIGHT (MAGNETIC BALLAST)						32 KG	31 KG

	WASH MOVING HEADS		BEAM MOVING HEADS			LED MOVING HEADS		
XR 4 SPOT	**XR 1200 WASH PC**	**XR 1200 WASH**	**RAPTOR**	**XR 3000 BEAM**	**XR 2000 BEAM**	**NICK NRG 1201**	**NICK NRG 1200**	**NICK 600 WASH RGBW**
GE CSD 250/2SE	Philips MSR Gold 1200 Fastfit	Philips MSR Gold 1200 Fastfit	SIRIUS HRI 330W	Philips MSR Gold 1200 Fastfit	Philips MSR Gold 700/2 Fastfit	30 Full Colour LEDs	30 Full Colour LEDs	120 RGBW LEDs
2 coated lenses	PC lens Ø 150 mm	Fresnel Ø 200mm	Custom-built optical lens	PMMA Ø 195mm	PMMA Ø 195mm	30 zoom lenses	30 lenses	30 x 2 PMMA
18.000	95.000	95.000	16.500	95.000	50.000	13.650	13.650	9.750
5.450 (14°)	104.000 (9°)	27.000 (20°)	1.344.000 (3,4°)	283.500 (5,6°)	186.200 (5,6°)	10.500 (8°)	4.750 (13,5°)	3.100 (13,5°)
Y			Y					
14°	LINEAR 9° - 19°	LINEAR 20° - 45°	3,4°			LINEAR 8° - 50°		LINEAR 13,5° - 40°
Y	Y	Y	Y	Y	Y			ELECTRONIC
Y	Y	Y	0,85 - 32 FLASH/SEC	Y	Y			ELECTRONIC
	CMY	CMY		CMY	CMY	RGBW	RGBW	RGBW / CMY
8	8	8	17	7	7			
	CTO / CTB	CTO / CTB		CTO	CTO			
7				7				
			17		7			
3-FACET			8-FACET					
	Y	Y	Y / SMOOTH FILTER	LINEAR	LINEAR			
	Y	Y						
2,8 SEC	2,9 SEC	2,9 SEC	2,5 SEC	3,9 SEC	3,9 SEC	2 SEC	2 SEC	2 SEC
2,0 SEC	1,8 SEC	1,8 SEC	1,5 SEC	2,6 SEC	2,6 SEC	1,2 SEC	1,2 SEC	1,2 SEC
Y								Y
	Y	Y	Y	Y	Y	Y		
17	16	16	18	21	21	20	20	17
LED	GRAPHIC 128X64	GRAPHIC 128X64	LCD GRAPHIC	GRAPHIC 128X64	GRAPHIC 128X64	OLED graphic colour	OLED graphic colour	GRAPHIC OLED
Y	Y	Y	Y	Y	Y	Y	Y	Y
	Y	Y		Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	IN / OUT	IN / OUT	Y
	Y	Y	Y	Y	Y	Y	Y	Y
Y								
350 W	1.320 W	1.320 W	450 W	1.320 W	820 W	340 W	340 W	240 W
	38 KG	38 KG	15,4 KG	38 KG	37 KG	10,5 KG	9,5 KG	7,9 KG
26 KG								

0517M080.GB

DIAMETRO

D.T.S. reserves the right to make any functional or design modification to any of its products without any prior notice.

The Lighting Company

D.T.S. illuminazione s.r.l.
via Fagnano Selve, 10-12-14 (loc. La Cella)
47843 MISANO ADRIATICO (RN) Italy
Tel. +39.0541.611131 - Fax +39.0541.611111
www.dts-lighting.it - e-mail: info@dts-lighting.it

ISO 9001:2008
D.T.S. quality system
is certified to the
ISO 9001:2008 standard

PROUDLY MADE IN ITALY

D.T.S. products are designed
and manufactured at the D.T.S.
plants in Italy

Safeguarding the environment is a primary responsibility of every company. D.T.S. makes every effort to operate in a manner ensuring minimal environmental impact. To know more, download the brochure “commitment:environment” from the D.T.S. web site, “COMPANY” section.